Self Diagnosis Supported model

MANUAL DE SERVIÇO

BA-6 CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION	CHASSIS NO.
KV-21FA310	RM-Y194	BRAZIL	SCC-S77A-A
KV-21FV210	RM-Y194	BRAZIL	SCC-S77C-A
KV-29FA310	RM-Y195	BRAZIL	SCC-S77B-A
KV-29FS110	RM-Y194	BRAZIL	SCC-S73T-A
KV-29FV210	RM-Y195	BRAZIL	SCC-S77G-A

KV-29FA310

KV-29FS110

TRINITRON® COLOR TELEVISION

SONY®

9-965-985-01

ÍNDICE

TÍTULO DA SEÇÃO **PÁGINA**

Especificações 4
Cuidaos e Precauções 6
Inspeção de segurança 7
Função de Auto-diagnóstico 8

SEÇÃO 1: DESMONTAGEM 10
1-1. Remoção da Tampa Traseira 10
1-2. Remoção do Chassi Montadol 11
1-3. Posição de Serviço 12
1-4. Remoção do Cinescópiol 13
Procedimento para Remoção da Chupeta 13

SEÇÃO 2: AJUSTES PADRÃO 14
2-1. Pureza 14
2-2. Convergência 15
2-3. Foco 16
2-4. Grade (Screen) (G2) 17

SEÇÃO 3: AJUSTES DE SEGURANÇA 18
3-1. ⋈ R530, R531 Método para Confirmação (Confirmação HV Hold-Down) e Reajustes 18
3-2. Confirmação da Tensão +B e Ajustes 18

SEÇÃO 4: AJUSTES DE CIRCUITO 19
4-1. Botões e Indicadores de Ajustes no Controle Remoto 19
4-2. Acessando o Modo de Serviço para Ajustes 19
4-3. Confirmação de Alteração no Modo de Serviço 20
4-4. Listas de Dados para Serviço 21
4-5. Tabela de ID 33
4-6. Ajuste do Balanço de Branco 34
4-7. Ajustes da Placa AW 34

TÍTULO DA SEÇÃO **PÁGINA**

SEÇÃO 5: DIAGRAMAS 37
5-1. Localização das Placas de Circuito 37
5-2. Informação da Placa de Circuito Impresso e Diagrama Esquemático 37
5-3. Diagrama em Bloco e Esquemas 39
Diagrama em Bloco do Fluxo de Sinal 39
Diagrama Esquemático da Placa AW (1 de 2) 40
Diagrama Esquemático da Placa AW (2 de 2) 41
Diagrama Esquemático da Placa CV (KV-21FA310/21FV210) 43
Diagrama Esquemático da Placa C (KV-29FA310/29FS110/29FV210) 43
Diagrama Esquemático da Placa V (KV-29FA310/29FS110/29FV210) 44
Diagrama Esquemático da Placa BS (KV-29FS110) 45
Diagrama Esquemático da Placa KS (KV-21FA310) 46
Diagrama Esquemático da Placa KT (1 de 2) (KV-29FA310) 47
Diagrama Esquemático da Placa KT (2 de 2) (KV-29FA310) 47
Diagrama Esquemático da Placa TW (1 de 2) (KV-29FV210) 48
Diagrama Esquemático da Placa TW (2 de 2) (KV-29FV210) 48
Diagrama Esquemático da Placa MT 49
Diagrama Esquemático da Placa HE (KV-21FA310/21FV210) 51
Diagrama Esquemático da Placa HS (KV-29FS110) 52
Diagrama Esquemático da Placa HU (KV-29FA310/29FV210) 53
Diagrama Esquemático da Placa HW (todos exceto KV-29FS110) 54
Diagrama Esquemático da Placa W 55
5-4. Semicondutores 56

SEÇÃO 6: VISTA EXPLODIDA 57
6-1. Chassis (KV-21FA310/21FV210) 57
6-2. Tubo de Imagem (KV-21FA310/21FV210) 58
6-3. Chassis (KV-29FA310/29FV210) 59
6-4. Tubo de Imagem (KV-29FA310/29FV210) 60
6-5. Chassis (KV-29FS110) 61
6-6. Tubo de Imagem (KV-29FS110) 62

SEÇÃO 7: LISTA DE PEÇAS ELÉTRICAS 63

ESPECIFICAÇÕES

	KV-21FA310	KV-21FV210
Alimentação	110V-220V, 50-60Hz	110V-220V, 50-60Hz
Números de Entradas/Saídas		
Video [1]	2	2
S Video [2]	1	
Y,P_B, P_R [3]	1	1
Audio [4]	3	3
RF [5]	1	
3.1 Audio System	1	
Audio Panel	1	1
Potência de saída(W	5W x 2	10W x 2
Subwoofer	15W	
Central	5W	
Consumo de energia (W)		
Em uso (Max)	155W	135W
	1W (100 V CA)	1W (100 V CA)
Em Standby (Max) [5]	2W (220 V CA)	2W (220 V CA)
Dimensões (L x A x P)		
mm	609 x 540 x 503 mm	609 x 464 x 503 mm
Peso		
kg	28.6 kg	25.2 kg

1) 1 Vp-p 75 ohms não balanceado, sincronismo negativo
2) Y: 1 Vp-p 75 ohms não balanceado,sincronismo negativo
   C: 0.286 Vp-p (sinal de Burstl), 75 ohms
3) Y: 1.0 Vp-p, 75 ohms, sincronismo negativo; PB: 0.7 Vp-p, 75 ohms;
   PR Vp-p, 75 ohms.
4) 500 mVrms (100% de modulação), Impedância: 47 kilohms
5) esta especificação é a potência máxima.

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Projeto e especificações técnicas sujeito a alteração sem prévio aviso.

	KV-29FA310	KV-29FS110	KV-29FV210
Alimentação	110V-220V, 50-60Hz	110V-220V, 50-60Hz	110V-220V, 50-60Hz
Números de Entrada/Saída			
Video [1]	3	3	3
S Video [2]	1	1	1
Y,P_B, P_R [3]	1	1	2
Audio [4]	4	3	5
RF [5]	1	1	1
3.1 Audio System	1		
Audio Panel	1	1	1
Potência de saída(W	7W x 2	10W x 2	10W x 2
Subwoofer	20W		
Center	7W		
Consumo de energia (W)			
Em uso (Max)	220W	170W	170W
	1W (100 V CA)	1W (100 V CA)	1W (100 V CA)
Em Standby (Max) [5]	2W (220 V CA)	2W (220 V CA)	2W (220 V CA)
Dimensões (W x H x D)			
mm	784 x 678 x 520.5 mm	768 x 589 x 497 mm	784 x 601.5 x 520 mm
Peso			
kg	50 kg	45.2 kg	47.4 kg

1) 1 Vp-p 75 ohms não balanceada, sincronismo negativo
2) Y: 1 Vp-p 75 ohms não balanceada, sincronismo negativo
C: 0.286 Vp-p (sinal de Burst), 75 ohms
3) Y: 1.0 Vp-p, 75 ohms, sincronismo negativo; PB: 0.7 Vp-p, 75 ohms;
PR Vp-p, 75 ohms.
4) 500 mVrms (100% de modulação), Impedância: 47 kilohms
5) Esta especificação é a potência máxima

Sistema de televisão

PAL-M/PAL-N/NTSC

Cbertura de canais

VHF: 2-13/ UHF: 14-69/ CATV: 1-125

Antena

Terminal de antena externa para VHF/UHF de 75 ohms

Cinescópio

FD Trinitron®

Dimensões do cinescópio

KV-21FA310/21FV210

Diagonal do cinescópio (aproximada):55 cm

Diaginal visual (aproximada) : 51 cm

KV-29FA310/29FS110/29FV210

Diagonal do cinescopio (aproximada):72 cm

Diaginal visual (aproximada) : 68 cm

Acessórios fornedidos

Controle remoto RM-Y194
(KV-21FA310/21FV210/29FS110)

Controle remoto RM-Y195
(KV-29FA310/29FV210)

Pilha pequena AA (2)

CUIDADOS E PRECAUÇÕES

ATENSÃO!!!

Antes de remover a chupeta do cinescópio, faça um curto-circuito entre o terminal de anodo do tubo e um ponto da malha de terra, de modo a evitar choque elétrico, devido a carga armazenada no cinescópio.

CUIDADO!!!

Para evitar possíveis choques elétricos, um transformador isolador deve ser uasado durante o serviço de reparo, pois a parte viva do chassi está diretamente ligada a entrada da alimentação AC.

⚠ CUIDADO COM COMPONENTES DE SEGURANÇA!!!

Componentes identificados com o símbolo ⚠ no esquema elétrico ou na lista de peças ou ainda nas vistas explodidas, são críticos para a segurança e funcionamento. Somente os substitua por componentes Sony identificados neste manual, com o correto número de identificação, ou em suplementos publicados pela Sony. Circuitos e ajustes críticos para a segurança são identificados neste manual, siga estes procedimentos quando componentes críticos forem trocados ou quando houver suspeita de operação incorreta.

INSPEÇÃO DE SEGURANÇA

Após corrigir o problema original de assistência técnica, efetue as seguintes inspeções de segurança antes de liberar o aparelho para o cliente:

1. Verifique a área onde foi efetuada o reparo, procurando por conexões sem solda ou com solda fria. Verifique toda a superfície da placa, procurando por respingos ou "pontes" indesejáveis de solda.
2. Verifique a fiação entre placas, a fim de assegurar que nenhum fio esteja sendo pressionado ou em contato com resistores de alta potência.
3. Verifique se todos os botões de controle, blindagens, tampas, conexões de terra e ferragens de montagem foram colocados de volta em seu lugar. Redobre a atenção ao certificar-se de que todos os isoladores foram repostos.
4. Procure por peças de reposição não-autorizadas (transistores, especialmente) que possam ter sido instaladas em um reparo anterior. Indique-as ao cliente e recomende que sejam substituídas.
5. Procure por peças que, embora funcionando, estejam exibindo óbvios sinais de deterioração. Indique-as ao cliente e recomende que sejam substituídas.
6. Verifique os cabos de força, procurando por rachaduras e sinais de abrasão. Recomende ao cliente a substituição de qualquer cabo de força com esses sinais.
7. Verifique os valores de B+ e HV, para conferir se correspondem aos valores especificados. Veja se seus instrumentos são precisos; suspeite de seu voltímetro de HV se os aparelhos indicarem sempre uma baixa HV.
8. Verifique os terminais da antena, o acabamento metálico, os botões "metalizados", os parafusos e todas as outras peças metálicas expostas, procurando por fugas de CA. Verifique a presença de fugas conforme a descrição abaixo.

Teste de Fuga

As fugas de CA entre qualquer peça metálica exposta e a terra geral e entre todas as peças metálicas expostas e qualquer peça metálica exposta com retorno pelo chassi, não devem exceder 0,5 mA (500 microampères). A corrente de fuga pode ser medida por um dos três métodos abaixo:

1. Com um medidor de fuga comercial, tal como o 229 da Simpson ou o WT-540A da RCA. Siga as instruções dos respectivos fabricantes para utilizar esses instrumentos.
2. Com um miliamperímetro CA alimentado por bateria. O multímetro digital 245 da Data Precision, por exemplo, é adequado para essa tarefa.
3. Medindo-se a queda de tensão sobre um resistor por meio de um multímetro ou voltímetro CA alimentado por bateria. Como a indicação "limite" é de 0,75 V, os instrumentos analógicos utilizados devem possuir uma escala de baixa tensão bastante precisa. O modelo 250 da Simpson ou o SH-63TRD da Sanwa são bons exemplos de multímetro passivos para este caso. Quase todos os multímetros digitais alimentados por bateria e com uma escala de 2 V CA também são adequados (veja a Figura A).

Como Localizar uma Boa Conexão de Terra

Uma tubulação de água fria é sempre uma conexão de terra garantida, assim como os parafusos que fixam o espelho da maior parte das tomadas CA. Caso vá utilizar um desses parafusos de fixação como terra , veja se está realmente conectado à terra; para isso, meça a resistência entre ele e um cano de água fria com o auxílio de um ohmímetro. A leitura deve indicar zero ohms.

Caso não haja um cano de água fria à disposição, ligue uma lâmpada de inspeção (que não seja uma lâmpada neon) de 60 a 100 watts entre o lado "vivo" da tomada e o parafuso de fixação. Tente os dois furos da tomada, se necessário, para localizar o lado "vivo" da linha; caso o parafuso esteja ao potencial de terra, a lâmpada deverá acender com brilho normal (veja a Figura B).

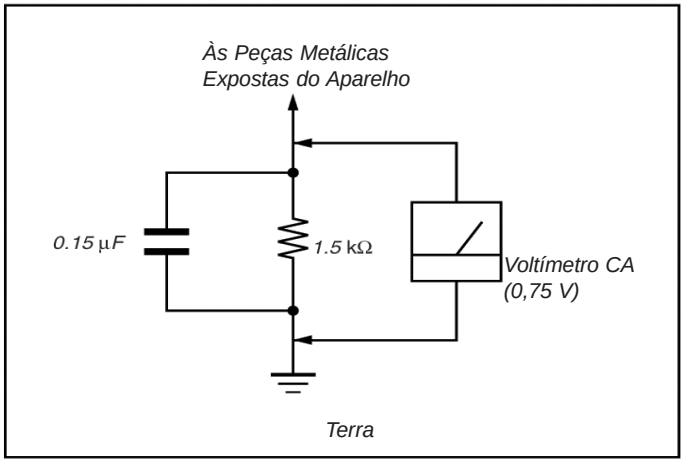


Figura A. Utilização de um voltímetro CA para verificar fugas em CA.

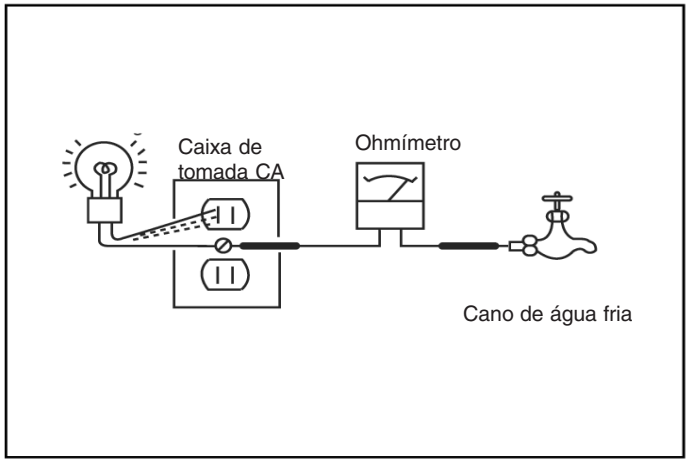


Figura B. Localização de uma conexão de terra

FUNÇÃO DE AUTO-DIAGNÓSTICO

Self Diagnosis Supported model

Este modelo possui a função de auto-diagnóstico. Se ocorrer um erro, o LED indicador do STANDBY/TIMER automaticamente começará a piscar. O número de vezes que o LED pisca, indica a provavel causa do problema. Se ocorrer uma falha que não pode ser resproduzida, com o Controle Remoto é possível verificar uma lista das falhas ocorridas armazenadas na memória do aparelho.

Indicador de Diagnostico

Quando um erro ocorre, o LED indicador do STANDBY/TIMER LED comeca a piscar, indicando a provável causa do erro. Se mais de um erro ocorrer, será indicado o que primeiro ocorreu.

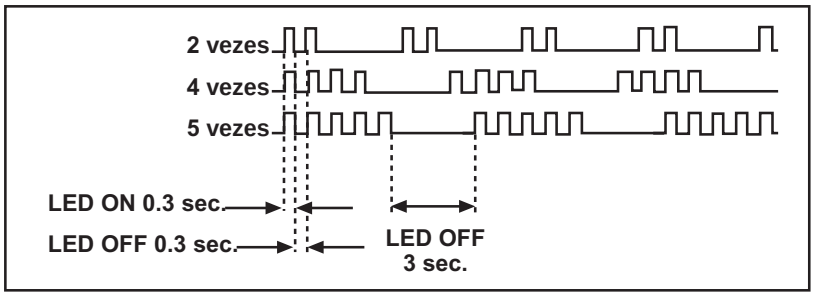
O resultado dos seguintes diagnósticos são indicados na tela, se não houver ocorrido erro a indicação será"0".

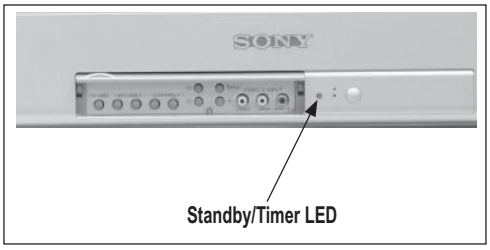
Descrição do item de Diagnóstico	No. de vezes que o STANDBY/ TIMER pisca	Indicação do Auto-diagnóstico Resultado de diagnóstico	Provável localização da causa	Sintoma Detectado
Sem alimentação	Não acende	———	• O cabo de força está fora da tomada. • O fusivel está aberto (F601). (Placa AW)	• Não ha alimentação • O aparelho não está energizado • Falta de Alimentaçào AC
+B sobrecorrente (OCP)*	2 vezes	2:0 ou 2:1	• H.OUT (Q502) em curto. (placa AW) • IC702em curto. (Placa CV modelo 21" Placa C modelo 29")	• O aparelho não liga. • Linha de alimentação em curto.
I-Prot	4 vezes	4:0 ou 4:1	• Não há tensào de +13V (Placa AW) • Falha no IC561 (Placa AW)	• Aparelho entra em Standby depois de fazer a varredura horizontal. • O pulso de deflexao vertical para. • Linha de alimentação parada .
IK (AKB)	5 vezes	5:0 ou 5:1	• Falha no IC001. (Placa MT) • Grade (G2) está mal ajustada.**	• Tela escura. • Detecção do pulso de corrente do Catodo (CRT) está baixo.

*Se a sobrecorrente ..for detectada.simultaneamente a interrupção da deflexão vertical é detectada.O sintoma diagnosticado primeiro pelo microcontrolador é aquele mostrado na tela.

**Veja grade (G2) para ajustes na seção 2-4 desse manual.

Funcionamento do LED Standby/Timer





Item de Diagnóstico	Nº. de Piscadas*	*
Sobrecorrente +B	2 vezes	
I-Prot	4 vezes	
IK (AKB)	5 vezes	

* Apenas um flash não tem significado para diagnóstico de defeito.

Interrompendo o sinal (pisca-pisca) do LED do Standbt/Timer

Pra fazer o LED do STANDBY/TIMER parar de piscar, desligue a chave POWER e desconecte o cabo de alimentação.

Exibição da Tela de Auto-Diagnóstico
Para erros com sintomas do tipo "as vezes cai a alimentação" ou "a imagem some algumas vezes", os quais não permitem confirmação, é possível verificar as falhas ocorridas pela tela de auto-diagnóstico.

Verificando a Tela de Auto-Diagnóstico
No modo STANDBY, pressione no controle remoto a seguinte seqüência de botões, rapidamente:

DISPLAY ➡ Canall 5 ➡ Volume - ➡ POWER

⇧ Nota se que é diferente do prara entrar no Modo de Serviço (Volume +).

Tela de Auto-diagnóstico

SELF DIAGNOSTIC		
2:	+B OCP	0
3:	+B OVP	N/A
4:	VSTOP	0
5:	AKB	1
101:	WDT	N/A

Numero "0" indica que não foi detectada nenhuma falha.
Numero "1" indica que foi detectada uma falha qualquer uma vez somente.

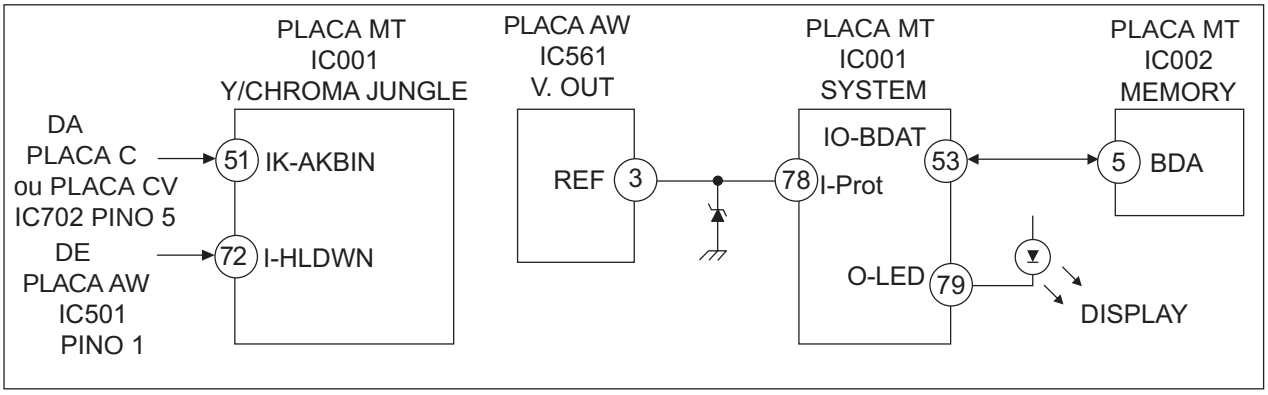
Manuseio da Tela de Auto-Diagnóstico
Os resultados exibidos na tela de auto-diagnostico não são limpos automaticamente. Sempre verifique esta tela durante os reparos. Quando terminar o conserto, limpe a tela de auto-diagnóstico, de modo a ficar com todos os valores com indice "0".
Se o resultado na tela for não for alterado para "0", a função de auto-diagnóstico não será capaz de detectar falhas depois de completado o reparo.

Limpando a tela de auto-diagnóstico
Para limpar a tela de auto-diagnóstico, convertendo os índices em “0”, pressione a seguinte sequencia de botões no controle remoto:

Canall 8 ➡ ENTER

Encerrando a tela de auto-diagnóstico
Para sair da tela de auto-diagnóstico desligue a chave POWER no controle remoto ou no aparelho.

Circuito de Auto-Diagnóstico



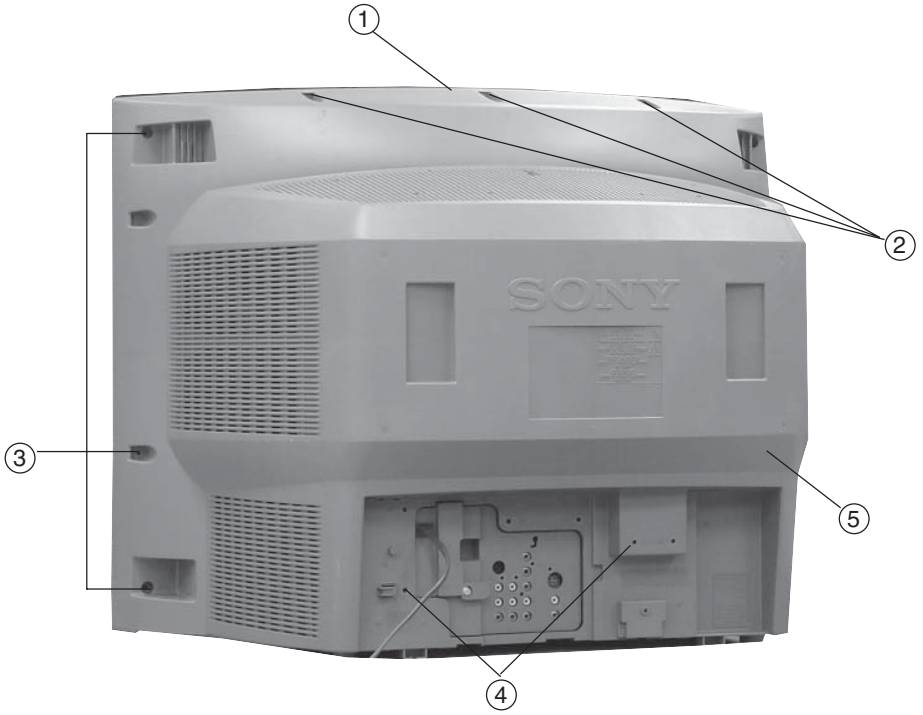
+B overcurrent (OCP) -(sobrecorrente)
Quando ocorre sobrecorrente na linha do +B (135V) isto é detectado no pino 72 dof IC001 (placa MT). Se a tensao no pino 72 do IC001 (placa MT) for menor que 1V quando V.SYNC é maior que 7 períodos na vertical, a unidade desligará automaticamente.
I-Prot
Ocorre quando e detectada a falta de pulso de deflexao vertical no pino 78 dof IC001 (placa MT). A alimentação é cortada quando o intervalo da forma de onda exceder 2 segundos.
IK (AKB)
Se os niveis de RGB * nao estiverem balanceados em 2 segundos apos ser acionada a alimentação, este erro será detectadopelo IC001 (placa MT). A TV ficará ligada mas não aparecerá nenhuma imagem.

*(Refere-se a correção dos níveis de RGB efetuados atraves do sinal de 1K (AKB).

SEÇÃO 1: DESMONTAGEM

1-1. REMOÇÃO DA TAMPA TRASEIRA

(MOSTRADA KV-29FA310)



① Levante Subwoofer da tampa traseira para remoção
(Somente para KV-21FA310/29FA310)

② Retire os parafusos superior da tampa
2 PARAFUSOS +BVTP 4X16 TYPE2 IT-3
(Somente para KV-21FA310/21FV310)
3 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)
(Somente para KV-29FA310/29FV210)

③ Remova os parafusos laterais da tampa
4 PARAFUSOS +BVTP 3X12 TAPPING-2 cada lado
(Somente para KV-21FA310/21FV310)
6 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)-3 cada lado
(Somente para KV-29FA310/29FV210)

④ Remova os parafusos traseira da tampa
5 PARAFUSOS +BVTP 4X16 TYPE2 IT-3
(Somente para KV-21FA310/21FV310)
4 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)
(Somente para KV-29FA310/29FV210)

⑤ Remova tampa traseira

(MOSTRADA KV-29FS110)

① Retire os parafusos superior da tampa
4 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)

② Remova os parafusos laterais da tampa
6 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)
-3 cada lado

③ Remova os parafusos traseira da tampa
2 PARAFUSOS +BVTP 4X16 TYPE2 TT(B)

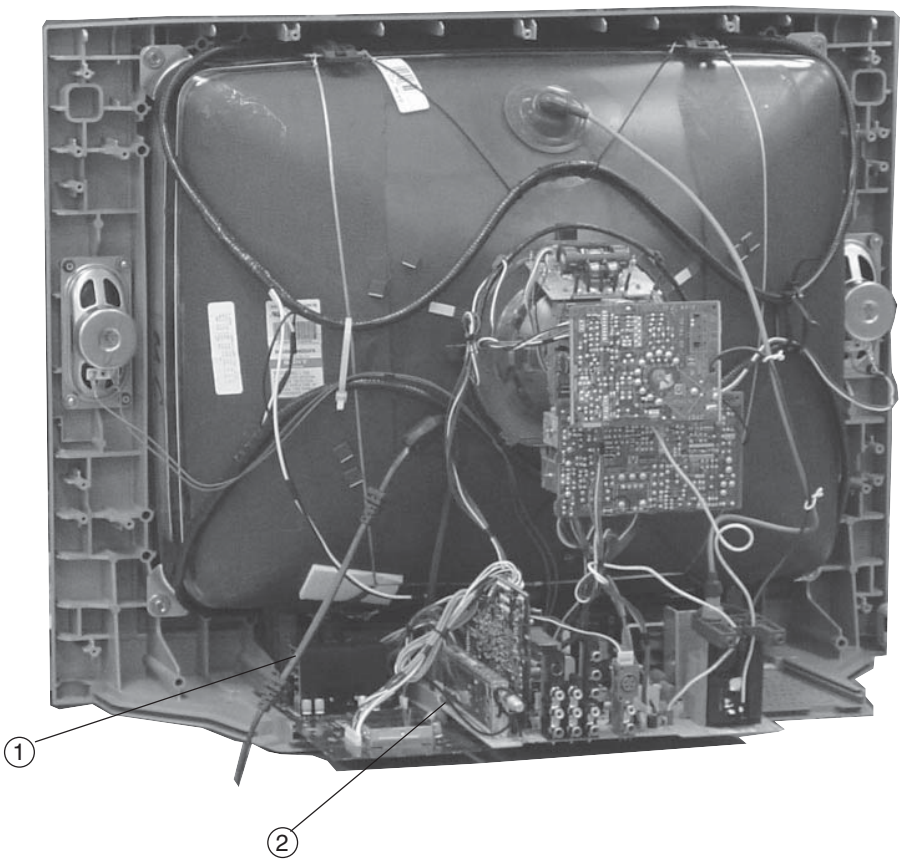
④ Remova tampa traseira

1-2. REMOÇÃO DO CHASSI MONTADO

(MOSTRADA KV-29FA310)

① Pressione a trava para retirar placa AW .

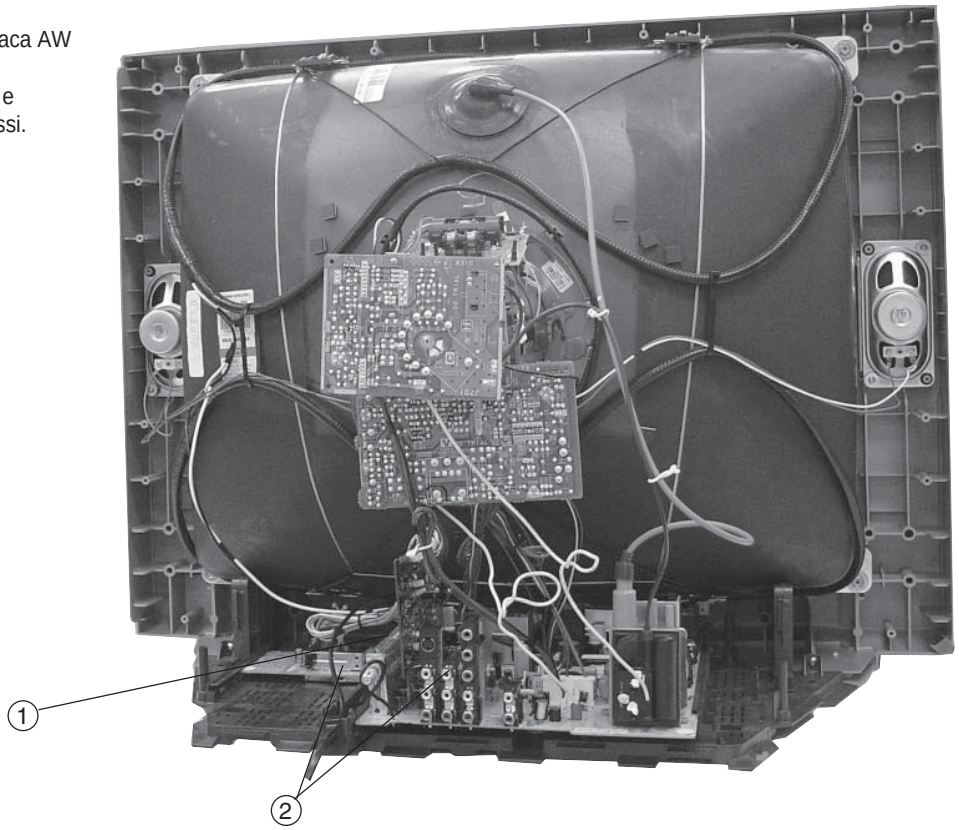
② Segurando a placa e deslise fora do chassi.



(MOSTRADA KV-29FS110)

① Pressione a trava para retirar placa AW

② Segurando as placas BS Board e AW Board, deslise fora do chassi.



1-3. POSIÇÃO DE SERVIÇO

(MOSTRADA KV-29FA310)

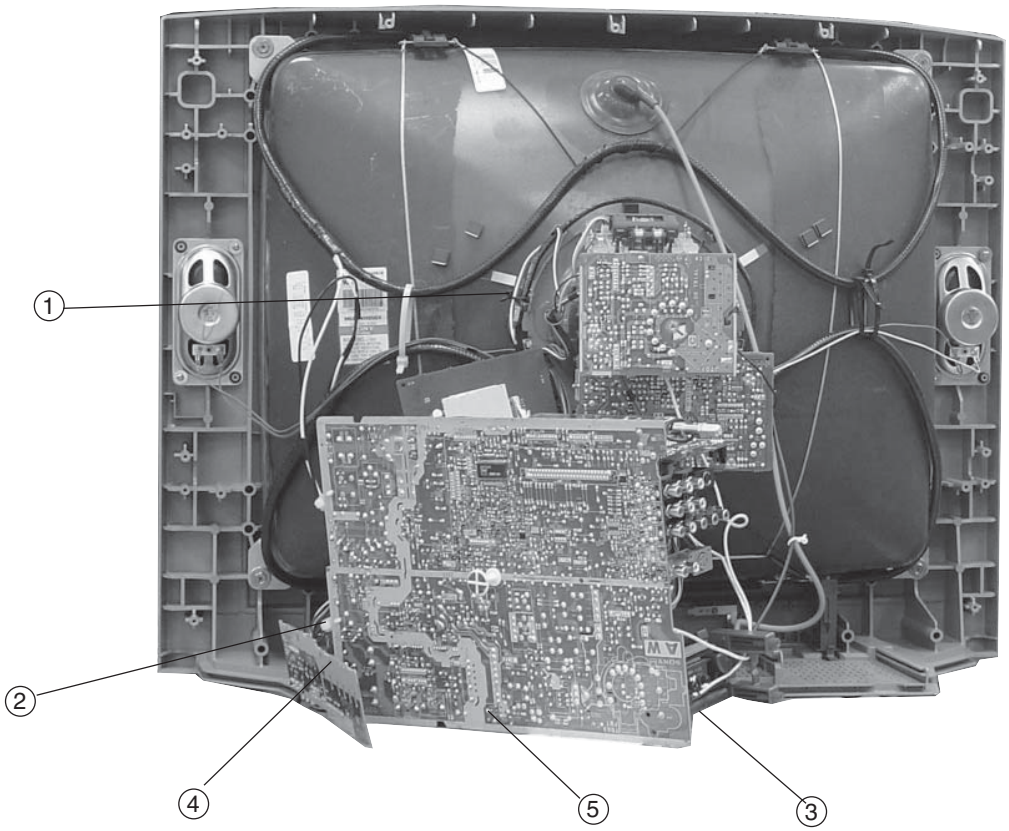
① Retire do gancho o cabo de força e fiaçào dos conectores da placa MT

② Pressione a trava para retirar placa A.

③ Puxe as placas cuidadosamente para acesso a placas H (HE, HS, ou HU).

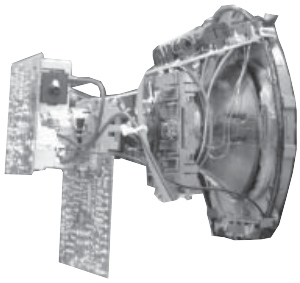
④ Caso necessário, desconecte a placa AW do placa H apropriada utilizando a chave paraempurrar dobradiça

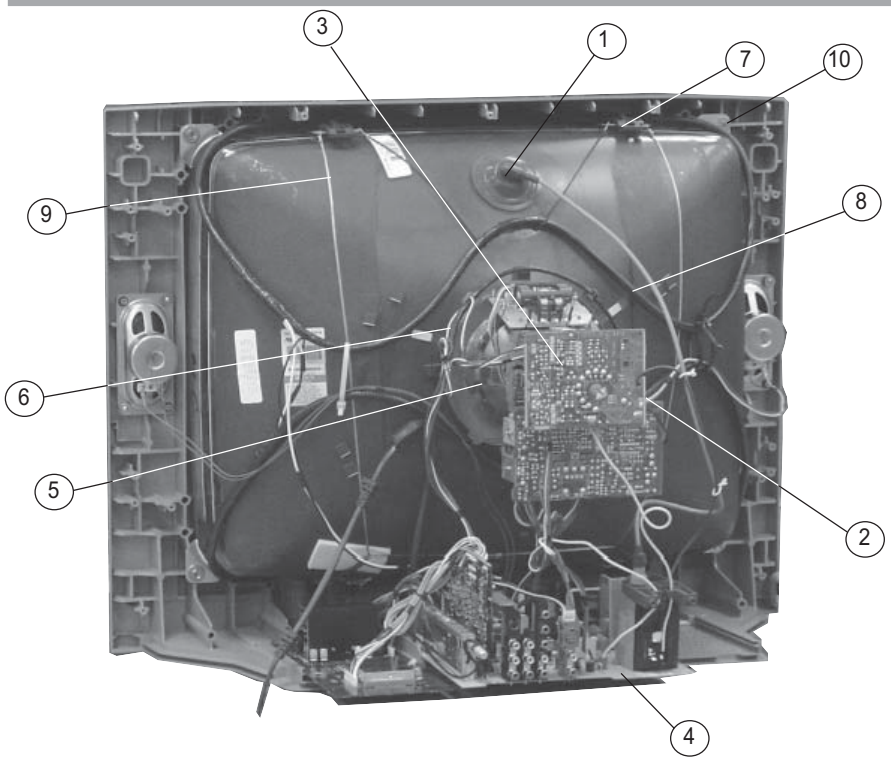
⑤ Gire a placa AW cuidadosamente colocando na posição de serviço.



1-4. REMOÇÃO DO CINESCÓPIO

ATENÇÃO: ANTES DE REMOVER A CHUPETA DO ANODO.
Mesmo depois de desligar a energia, existira alta tensão remanescente no CRT. Para evitar o choque elétrico, descarregue o CRT antes de tentar remover o anodo. Aterre o anodo na malha de terra em torno do CRT.



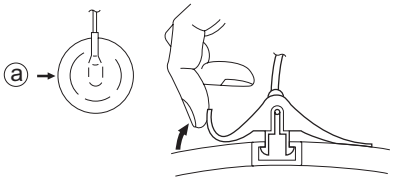


1. Descarregue o anodo do CRT e retire a chupeta do anodo.
2. Desligue todas as conexões, o yoke, o neck, a bobina desmagnetizadora e a malha de terra.
3. Remova a placa C (modelos 29") ou placa CV (modelo 21") do CRT.
4. Remova o chassi montado.
5. Solte o parafuso de fixação neck (yoke) e retire.
6. Solte o parafuso de fixação do neck e o retire.
7. Vire a face do CRT (montado no gabinete) para baixo retire os suportes da bobina desmagnetizadora.
8. Retire a bobina desmagnetizadora.
9. Remova as molas de tensão e a malha de terra do CRT.
10. Solte os 4 parafusos de fixação do CRT (localizados um em cada canto) e retire o CRT (tenha o cuidado de nao segurar o CRT pelo pescoco).

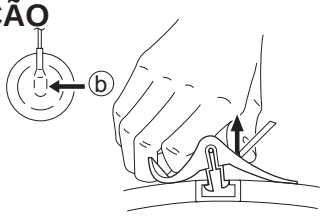
REMOÇÃO DA CHUPETA DO ANODO DO CRT

CUIDADO: Pode restar alta tensão no CRT apos desligar a alimentação. Para evitar risco de choque elétrico, descarregue o CRT antes de tentar remover a chupeta. Aterre o anodo na malha de terra em torno do CRT.
NOTA: Após removida a chupeta do anodo, coloque-os (o terminal da chupeta e o anodo do tubo) em curto com a blindagem metálica do CRT.

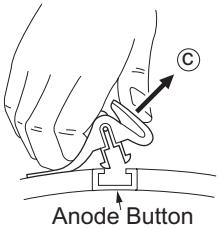
PROCEDIMENTO DE REMOÇÃO



Levante um lado da capa de borracha na direção indicada pela seta ⓐ .



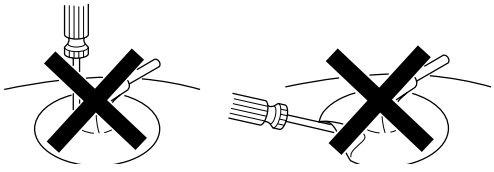
Use seu polegar e puxe a capa de borracha firmemente na direção indicada pela seta b .



Quando um lado do anodo estiver separado do botão do anodo, basta puxar para o outro lado que a chupeta se soltara completamente do anodo. indicação da seta ⓒ .

COMO MANUSEAR A CHUPETA DO ANODO

1. Não use objetos pontiagudos que possam causar danos a superficie da chupeta.
2. Não comprima a cobertura de borracha com muita força para colocar a chupeta, pois pode causar danos a mesma, durante esta operação.
3. Não gire a chupeta com força, após coloca-la, para não causar danos a mesma.



SEÇÃO 2: AJUSTES PADRÃO

Os ajustes descritos a seguir devem ser executados quando for necessário um realinhamento completo do tubo ou quando o mesmo for trocado.

Estes ajustes devem ser executados com a tensão nominal de alimentação, a menos que especificado.

Os controles devem ser ajustados como seguem:
MODO DE VIDEO : Pro
CONTROLE DE CONTRASTE: Normal
CONTROLE DE BRILHO: Normal

Execute os ajustes na seguinte ordem:

1. Pureza (Landing)
2. Convergência
3. Focos
4. Grade (G2)
5. Balanço do Branco

Equipamento de Teste Necessário:

1. Gerador de Barras
2. Desmagnetizador
3. Fonte DC
4. Multímetro Digital

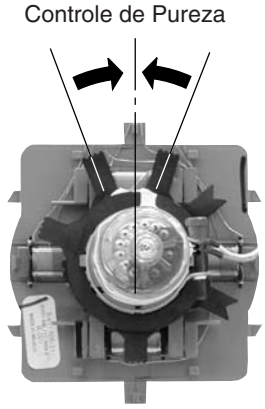
2-1. PUREZA

Antes de iniciar o ajuste proceda:

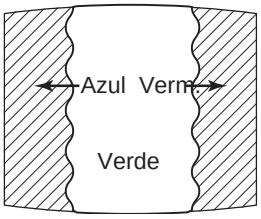
1. Alimente com sinal de branco no aparelho.

Procedimento de Ajuste

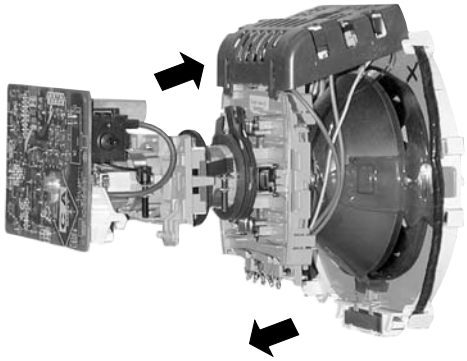
1. Entre com sinal de branco no aparelho.
2. Solte o parafuso de fixação do yoke e ajuste o controle de pureza para o centro, como mostra a figura.

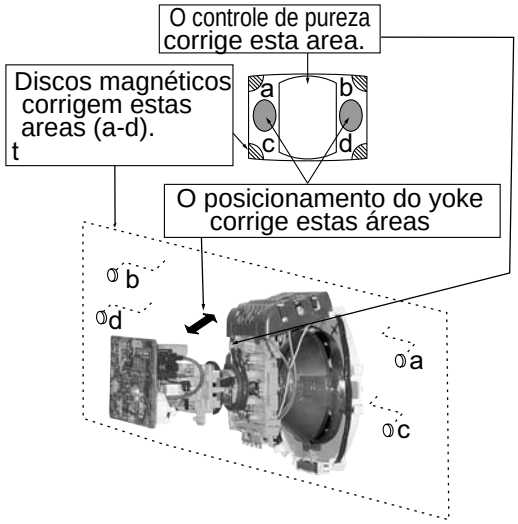


3. Mude no gerador do sinal branco para o sinal verde.
4. Mova o yoke para tras e ajuste o controle de pureza de modo a deixar o centro da tela verde e as laterais vermelho e azul, de modo uniforme.



5. Mova o yoke para frente, e ajuste-o de modo que a tela fique toda verde.
6. Mude o sinal para vermelho e azul e confirme a condição do ajuste.
7. Quando a pureza estiver corretamente ajustada, fixe o yoke aperando o parafuso de fixação.
8. Quando a pureza nao ficar boa nos cantos, retoque-a utilizando imãs de disco.





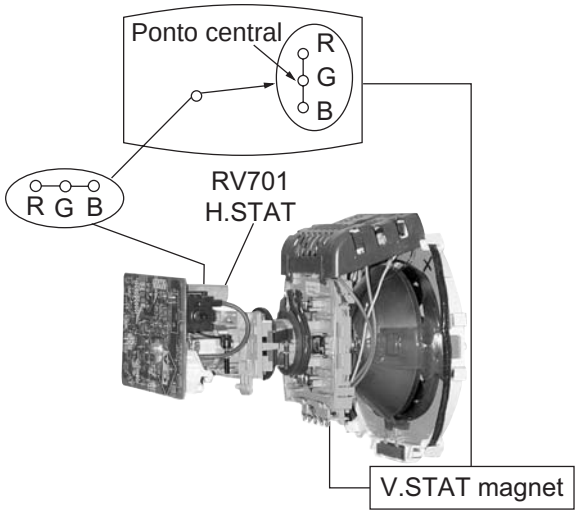
2-2. CONVERGÊNCIA

Antes de iniciar ajuste de convergência:

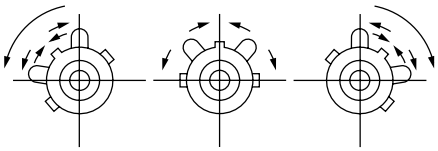
1 Execute os ajustes de FOCUS, V.LIN e V.SIZE.
2. Coloque o controle de Brilho no mínimo.
3. Entre com o sinal de pontos.

Convergência Vertical Estática

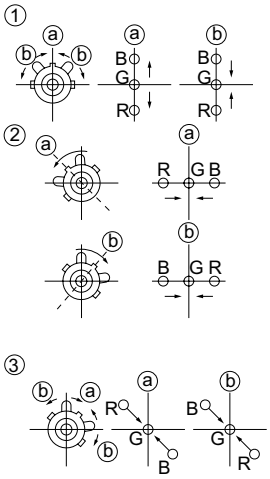
1. Ajuste o imã V.STAT para converdir os pontos vermolhos, verdes e azul no centro da tela (movimento vertical)



2. Gire o imã V.STAT e ajuste a convergência, abrindo e fechando o imã.



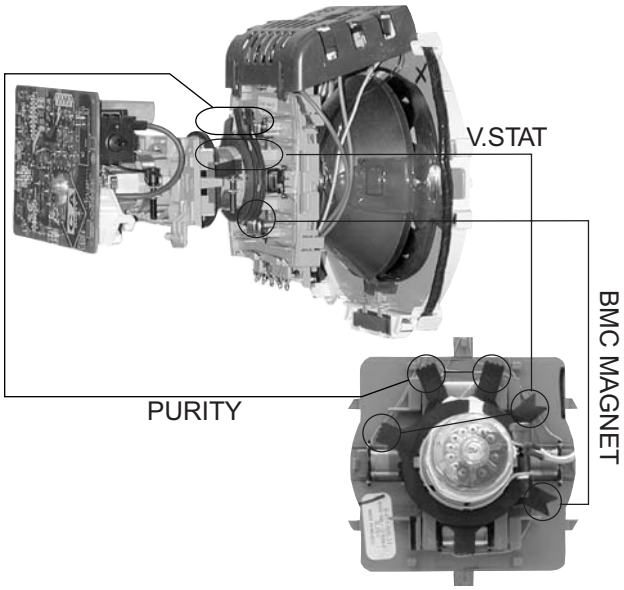
Quando o imã V. STAT e movido na direção das setas a e b, os pontos verde, vermelho e azul se movem como indicado:



Convergência Horizontal Estática.

Caso os pontos azuis não cenverge com os pontos vermelhos e verdes, tpreceda conforme abaixo:

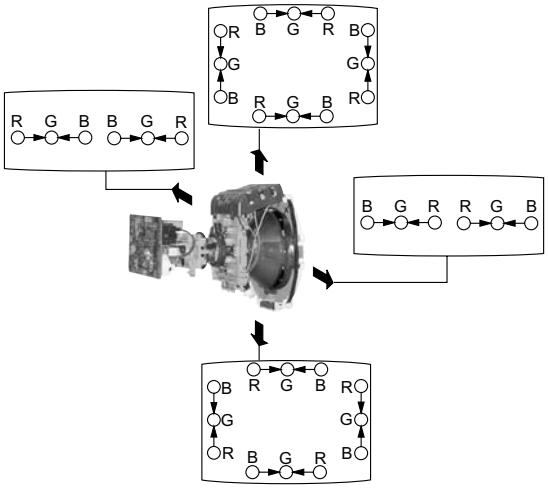
1. Movimento o magneto H STAT VR (a) para corrigir a convergência H.Static



Ajuste da Convergência Dinâmica

Antes de executar esse ajuste, faca os ajustes das convergências Vertical e Horizontal estáticas.

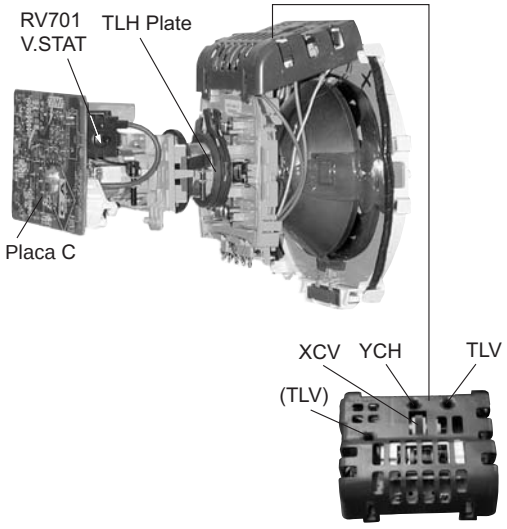
1. Afrouxe o parafuso de fixacao do yoke.
2. Remova os espacadores do yoke.
3. Mova o yoke, de modo a obter o melhor ajuste para a convergência como indicado na figura a seguir:

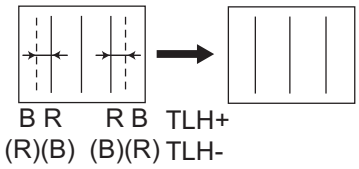


4. Aperte o parafuso de fixação do yoke.
5. Recoloque os espacadores no yoke.

Ajuste da Placa TLH

1. Entre com um sinal quadriculado (crosshatch)
2. Ajuste para QUALIDADE DO CONTRASTE PARA padrão, CONTRASTE e BRILHO PARA 50%, e outros para padrão.
3 Ajuste a convergência horizontal dos pontos vermelhos e azul girando TLH no yoke.

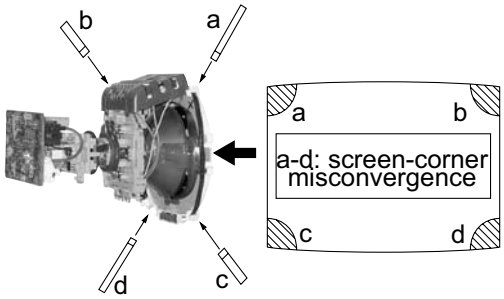




4. Ajuste o XCV para balancear o eixo X.
5. Ajuste YCH VR para balancear o eixo Y.
6. Ajuste a convergencia vertical do vermelho e do azul com o V.TILT (TLV VR)
   Nota: Execute os ajustes 3-6 do tracking OSD itens 1 e 2.

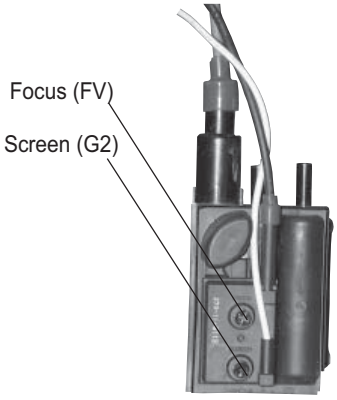
Ajuste de Convergência nos Cantos

1. Fixe um "permalloy" para corrigir a convergência nos cantos quando necessário.



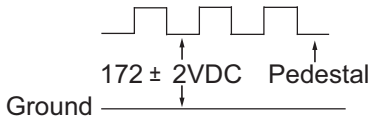
2-3. FOCO

1. Ajuste para melhor ponto de FOCO.



2-4. GRADE (SCREEN) (G2)

1. Entre com um sinal de pontos do gerador.
2. Coloque o controle de CONTRASTE e BRILHO no mínimo e controle de COR para normal.
3. Ajuste RCUT, GCUT, BCUT, no SBRT no modo de servico com um osciloscopio,de modo que as tensoes nos catodos verde, vermelho e azul sejam de 172 ± 2VDC.



4. Ajuste o RV do G2 até a tela ficar escura. Um sinal não pode ser visto quando o brilho do raster é alto.

SEÇÃO 3: AJUSTES DE SEGURANÇA

3-1. ⋈ R530, R531 MÉTODO PARA CONFIRMAÇÃO (CONFIRMAÇÃO HV HOLD-DOWN) E REAJUSTES

Sempre execute os seguintes ajustes quando trocar componentes marcados com o símbolo ◪ no diagrama esquemático:

Peça Trocada(◪)	Ajustes(⋈)
DY, R550, T503, T504, D519, IC501, R533, D521, R532, D520, C531, R529, R530, R531, C532, IC600, PH602	**HV HOLD DOWN** R530, R531

Preparação Antes da Confirmação

1. Use um Variac, aplique a tensão de entrada: 120 +/- 2.0 VAC.
2. Ligue o aparelho.
3. Coloque um sinal Branco e ajuste controle de CONTRASTE e BRILHO no máximo..
4. Confirme a tensão superior que 23.0 VDC entre TP85 e o terra da placa AW.

Confirmação da Operação do Hold-Down

1. Conecte um amperímetro entre o pino 11 do FBT (T503) e a ilha (PWB land) onde o pino 11 normalmente está preso. (veja fig. 1).
2. Entre com o sinal de Pontos e configure CONTRASTE e BRILHO no mínimo : IABL = 2175 + 100/ -325 µA.
3. Confirme se a tensão na placa A no TP91 é 134.6 ± 1.0 VDC.
4. Conecte um voltímetro digital e uma fonte DC ao TP85 e ao terra. (Veja a figura 1).
5. Aumente a tensão DC até que a imagem desapareça da tela.
6. Desligue a fonte DC imediatamente.
7. Veja o valor indicado no multímetro digital. (padrão = 27.24 + 0.0/ - 0.1 VDC).
8. Entre com um sinal de branco e configure CONTRASTE e BRILHO ao máximo: IABL = 2175 + 100/ -325 µA.
9. Repita os passos de 4 a 7.

Reajuste do Hold-Down

Se o indicado no passo 2 de "Confirmando a Operação do Hold Down" não foi encontrado, este deve ser reajustado, alterando o valor dos resistores R530, R531 peças estas identificadas com a marca ⋈.

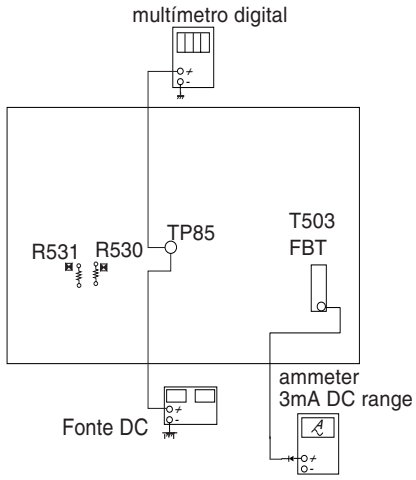


Figure 1

3-2. CONFIRMAÇÃO E AJUSTE DA TENSÃO +B

Execute os seguintes ajustes quando trocar as referidas peças, que estão marcadas com o seguinte símbolo ◪ no diagrama esquemático da placa GW Board:

Ajuste (◪)
PLACA AW IC600, PH602

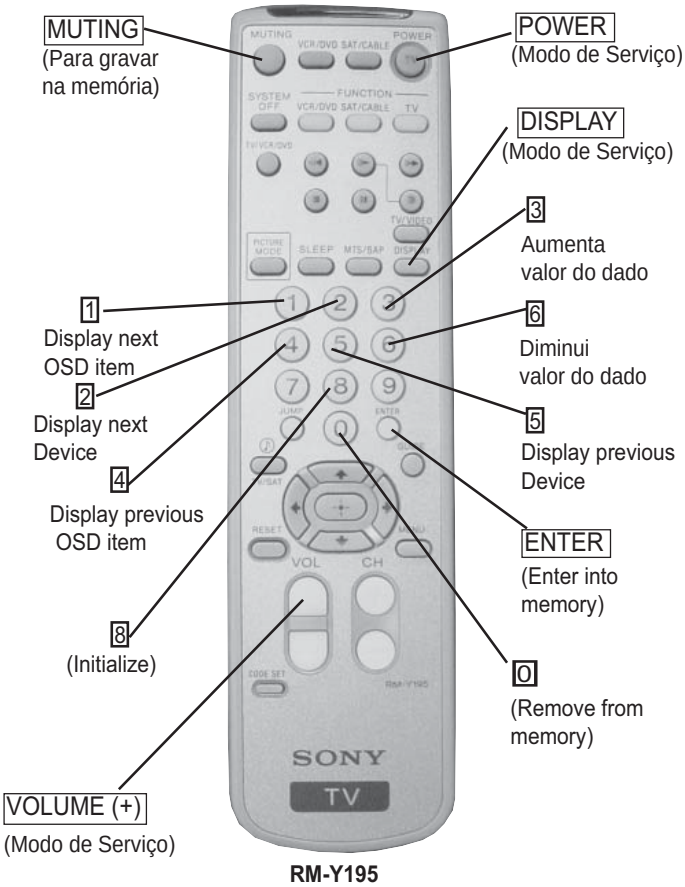
1. Usando um variac, alimente a tensão AC de entrada: 130 + 2.0/-0.0 VAC
2. Entre com o sinal monoscope.
3. Configure o CONTRASTE e BRILHO no mínimo.
4. Confirme se a tensão na placa A entre o TP23 e o terra é menor que 136.5 VDC.
5. Se o passo 4 não for satisfeito, troque o R530 e R531 da placa A e repita os passos acima.

SEÇÃO 4: AJUSTES DE CIRCUITO

Ajustes Elétricos com o Controle Remoto

Use o controle remoto (RM-Y194 ou RM-Y195) para executar os ajustes de circuito dessa seção.
Equipamento de teste necessario: 1. Gerador de Barras 2. Freqüêncimetro 3. Multímetro Digital 4. Gerador de Áudio

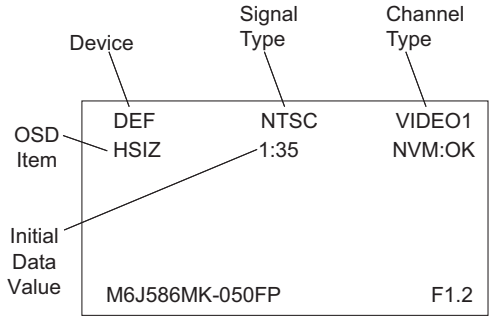
4-1. BOTÕES E INDICADORES DE AJUSTE NO CONTROLE REMOTO



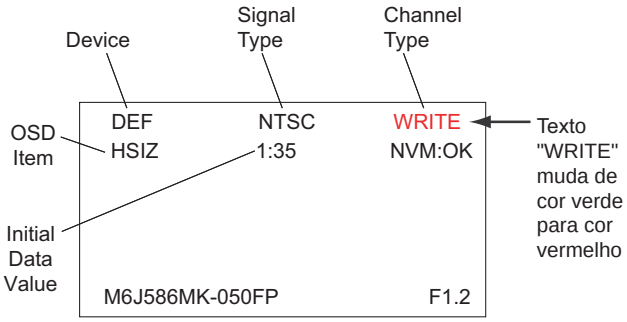
RM-Y195

4-2. ACESSANDO O MODO DE SERVIÇO PARA AJUSTES

1. No modo de standby (Power off).
2. Pressione os seguintes botões no controle remoto, aproximadamente 1 segundo cada um:
   DISPLAY → Canal → 5 → Volume → + → POWER



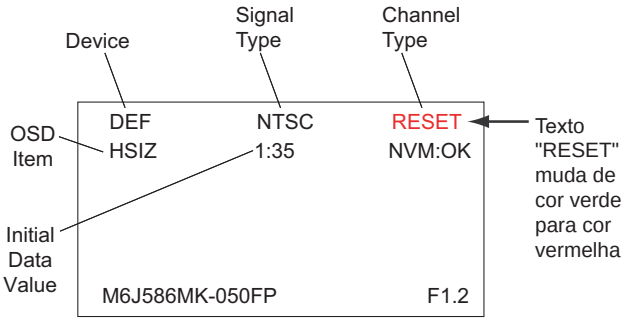
1. No controle remoto pressione as teclas 2 ou 5 para selecionar item.
2. Tecle 1 ou 4 para selecionar OSD.
3. Tecle 3 or 6 para mudar o valor do dado.
4. Tecle MUTING depois ENTER para escrever na memória.



Ajustes de Serviço no Modo de Memória

Utilise seguinte procedimento para IDs 0-7 e quando for reparado ou ajustado no IC002.

1. Acesse no Modo de Serviço para ajuste.
2. Tecle 8 e ENTER no controle remoto para inicializar.



O TV desligará após completar processo de inicialização.

4-3. CONFIRMAÇÃO DE ALTERAÇÃO NO MODO DE SERVIÇO

1. Após completar o s ajustes, desligue o cabo AC da tomada e religue na tomada novamente.
2. Acesso no modo de serviço.
3. Utilizando as teclas do controle remoto, localise os itens OSD ajustados para confirmar os ajustes executados.

4-4. LISTAS DE DADOS PARA SERVIÇO

Device "DEF"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RF	Initial Data (DEC) 21" NTSC/YUV	Initial Data (DEC) 21" PAL M	Initial Data (DEC) 21" PAL N	Initial Data (DEC) 29" NTSC/RF	Initial Data (DEC) 29" NTSC/YUV	Initial Data (DEC) 29" PAL M	Initial Data (DEC) 29" PAL N
VAR: 1	HSIZ	H SIZE(EW DC)	43	43	43	43	41	41	40	39
VAR: 2	HPOS	H POSITION	16	17	13	13	9	14	14	19
VAR: 3	VSIZ	V RAMP SIZE	31	32	31	31	35	37	36	37
VAR: 4	VPOS	V POSITION(RAMP DC)	32	31	31	31	33	32	33	33
VAR: 5	VLIN	V LINEARITY	39	39	39	39	33	36	47	33
VAR: 6	SCOR	S CORRECTION	33	33	33	33	50	41	44	50
VAR: 7	VBOW	BOW	29	29	29	29	32	36	35	30
VAR: 8	VANG	ANGLE	32	32	32	32	34	37	36	40
VAR: 9	TRAP	EW TRAPESIUM	40	40	40	40	29	27	32	29
VAR: 10	PAMP	EW PIN	21	21	21	21	28	26	28	26
VAR: 11	UPIN	UPPER PIN	34	35	34	34	29	30	31	29
VAR: 12	LPIN	LOWER PIN	34	33	33	33	30	31	28	30
VAR: 13	TROT	TROT	109				109			
VAR: 14	HBLK	H BLK mode select	00				00			
VAR: 15	RBLK	HBLK rear timing	28	28	28	28	28	28	34	34
VAR: 16	LBLK	HBLK front timing	54	54	54	54	54	54	60	60
VAR: 17	VBLK	V BLK width	03				03			
18	HMSK	TOP VEND(when MACROVISION)prevent OFF	00				00			
19	HDW	H PULSE WIDTH(25u 19u)	01				01			
20	AFC	AFC GAIN	00				00			
21	AFC1	AFC1 TIME CONSTANT	RF/03 AV/03 YUV/03				RF/03 AV/03 YUV/03			
22	AFCW	AFC1 PULL IN WIDE	01				01			
23	CDMD	V DET WINDOW SW TIMING	01				01			
24	HSS	SYNC SLICE LEVEL(H sepa)	00				00			
25	VSS	SYNC SLICE LEVEL(V sepa)	03				03			
26	SLUD	Auto Slice level UP DOWN	00				00			
27	JPSW	Jump SW	00				00			
28	HOSC	H VCO fo offset ADJUST OFFSET	03				03			
29	EHT	EHT	04				04			
30	EHTG	EHT MODE	01				01			
31	SLOH	LPF SYNC H	01				01			
32	SLOV	LPF SYNC V	03				03			
33	SLOP	LPF SYNC	01				01			
34	SLVC	LPF SYNC VCOIN OFF	00				00			
35	SLHC	LPF SYNC HCOIN OFF	00				00			

Device "16:9"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC:PAL M	Initial Data (DEC) 21" PAL N	Initial Data (DEC) 29" NTSC:PAL M	Initial Data (DEC) 29" PAL N
VAR: 1	HSIZ	H SIZE(EW DC)	43	39	42	41
VAR: 2	HPOS	H POSITION	16	16	12	19
VAR: 3	VSIZ	V RAMP SIZE	43	43	43	41
VAR: 4	VPOS	V POSITION(RAMP DC)	33	33	33	33
VAR: 5	VLIN	V LINEARITY	36	39	36	39
VAR: 6	SCOR	S CORRECTION	15	20	15	20
VAR: 7	VBOW	BOW	34		34	
VAR: 8	VANG	ANGLE	32		39	
VAR: 9	TRAP	EW TRAPESIUM	37		29	
VAR: 10	PAMP	EW PIN	11		12	
VAR: 11	UPIN	UPPER PIN	32		32	
VAR: 12	LPIN	LOWER PIN	33		32	
VAR: 13	RBLK	HBLK rear timing	28	28	39	34
VAR: 14	LBLK	HBLK front timing	54	54	59	60
VAR: 15	ABLG	ABL GAIN	01		01	
VAR: 16	SCON	SUB CONTRAST LEVEL	19		14	
VAR: 17	VPW	Jump Pulse Width	01		01	

Device "VP1"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RF	Initial Data (DEC) 21" NTSC/YUV	Initial Data (DEC) 21" PAL/RF	Initial Data (DEC) 21" PAL/YUV	Initial Data (DEC) 29" NTSC/RF	Initial Data (DEC) 29" NTSC/YUV	Initial Data (DEC) 29" PAL/RF	Initial Data (DEC) 29" PAL/YUV
VAR: 1	RDRV	R DRIVE	74	74	74	74	84	84	84	84
VAR: 2	GDRV	G DRIVE when Color Temp. is "Cool" and "Neutral"	78	78	78	78	77	77	76	78
VAR: 3	BDRV	B DRIVE when Color Temp. is "Cool" and "Neutral"	69	69	69	69	75	75	73	73
VAR: 4	RCUT	Hardware AKB(R) CMP DATA	100	100	100	100	100	100	100	100
VAR: 5	GCUT	Hardware AKB(G) CMP DATA when Color Temp. is "Cool" and "Neutral"	80	86	85	86	74	74	76	77
VAR: 6	BCUT	Hardware AKB(B) CMP DATA when Color Temp. is "Cool" and "Neutral"	83	82	81	82	73	73	75	82
VAR: 7	SCON	SUB CONTRAST LEVEL	8	9	11	9	14	16	15	9
VAR: 8	SHUE	SUB TINT(HUE)	9	7	7	7	8	8	7	7
VAR: 9	SCOL	SUB COLOR LEVEL for Not NR	11	20	16	20	10	24	16	19
VAR: 10	SBRT	SUB BRIGHTNESS	11	13	15	15	11	15	12	12
11	RON	R OUTPUT ON (0:R Output OFF 1:R Output ON)	01				01			
12	GON	G OUTPUT ON (0:G Output OFF 1:G Output ON)	01				01			
13	BON	B OUTPUT ON (0:B Output OFF 1:B Output ON)	01				01			
14	BLLV	BLUE STRETCH(00:no <-> 11:deep) only Color Temp "Cool"	01				01			
15	BLLM	BLUE STRETCH Y LEREL LIMIT LEVEL	01				0			
16	MTRX	MATRIX RATIO SELECT	1	1	0	0	1	1	0	0
17	AXIS	R-Y PHASE OFFSET	52	52	0	0	52	52	0	0
18	GYG	G-Y Gain	0	0	0	0	0	0	0	0
19	GYP	G-Y PHASE	0	0	0	0	0	0	0	0
20	SSHO	SUB SHARPNESS GAIN(OVER) RF VIDEO	10	10	15	10	10	10	15	10
21	SSHP	SUB SHARPNESS GAIN(PRE) RF VIDEO	14	20	26	20	14	20	26	20
22	SHPF	SHRPNESS fo(00:2 CLK <-> 11:5 CLK)	0	0	1	0	1	0	1	0
23	SHCL	SHARPNESS CORING LEVEL	01				01			
24	SHMX	SHARPNESS LIMITTER LEVEL	15				15			
25	AKBD	AKB Self Diagnostic Counter(@1sec)	05				05			
26	AKBS	AKB Switch (0 : AKB OFF 1 : H W AKB ON)	01				01			
27	REFP	AKB REFPLS timing ("0"Fix when 16:9On)	00				00			
28	YNRC	YNR LIMITER LEVEL	02				2			
29	VYNR	VYNR LIMITER LEVEL	00				00			
30	BKON	BLACK STRETCH ON	01				01			
31	BKRH	BLACK STRETCH DETECTOR TIME CONSTANT1 Low	15				15			
32	BKRL	BLACK STRETCH DETECTOR TIME CONSTANT1 High	12				12			
33	BKDP	BLACK STRETCH START POINT	03				03			
34	BKSP	BLACK STRETCH POINT	02				02			
VAR: 35	UOFS	U IN OFFSET	32	62	46	61	32	98	81	92
VAR: 36	VOFS	V IN OFFSET	32	86	68	80	32	101	88	99
37	TAKE	BPF F0 UP	0	0	0	0	0	0	0	0
38	TAKW	BPF F0 UP WIDTH	0	0	0	0	0	0	0	0

Device "VP2"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RF	NTSC/YUV	Initial Data (DEC) 21" PAL/RF	PAL/YUV	Initial Data (DEC) 29" NTSC/RF	NTSC/YUV	Initial Data (DEC) 29" PAL/RF	PAL/YUV
1	VMOF	VM LEVEL at "Off" Setting	01				01			
2	VMLO	VM LEVEL at "Low" Setting	05				05			
3	VMHI	VM LEVEL at "High" Setting	11				11			
4	VMDL	VM DELAY	11	8	8	8	11	8	8	8
5	VMPL	VM PORALITY	01				01			
6	VMWD	VM WIDTH	00				00			
7	VMCL	VM CORING LEVEL	00				00			
8	VMMX	VM LIMITER LEVEL	15				15			
9	CKLV	COLOR KILLER VTH	01				01			
10	CKON	FORCE KILLER	00				00			
11	VACL	V APERTURE CORING LEVEL	00				00			
12	VAGA	V APERTURE GAIN LEVEL	Pallete				Pallete			
13	VAMX	V APERTURE LIMITER LEVEL	15				15			
14	GAMM	GAMMA(00:no <-->11:deep)	Pallete				Pallete			
15	YDLY	Y DELAY TIME	3	4	0	5	3	3	7	3
16	CDLY	C DELAY	2	2	2	2	2	2	2	2
17	BGPP	BGP(for C DECODER)TIMING	11				11			
18	GDOF	G DRIVE OFFSET only Color Temp. "Warm"	18				18			
19	BDOF	B DRIVE OFFSET only Color Temp. "Warm"	31				31			
20	GCOF	GCUT CMP DATA OFFSET only Color Temp. "Warm"	02				02			
21	BCOF	BCUT CMP DATA OFFSET only Color Temp. "Warm"	04				04			
22	DCTV	DCTRANSFER VTH	03				03			
23	DCTG	DCTRANSFER GAIN	Pallete				12			

Device "Y C"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	ALFA	ADAPTIVE DET SENSITIVITY	01		01	
2	YCMD	YC SEPA FORCE SELECT (00:ADAPTIVE 01:H 10:V 11:HV)	00		00	

Device "NR"

Item#	OSD	DETAIL	Initial Data (DEC)		Initial Data (DEC) 29"	
1	NRBP	NOISE BPF SEL	00		00	
2	NRLS	NOISE DET LINE SEL	00		00	
3	NRDT	NOISE DET SENSE	01		01	
4	INDX	INDEX	VAR: 01 / 02 / 03		VAR: 01 / 02 / 03	
5	TRHI	TRIGGER HIGH	27 50 67		27 50 67	
6	TRLO	TRIGGER LOW	30 55 87		30 55 87	
7	SHCL	SHARP CORING LV for NR	15 15 15		15 15 15	
8	SHMX	SHARP MAX GAIN for NR	07 10 07		07 10 07	
9	YNRS	YNR SW for NR	01 01 01		01 01 01	
10	YNRC	YNR CORING LV for NR	07 06 15		07 06 15	
11	VMHI	VM GAIN(High) for NR	07 07 07		07 07 07	
12	VMCL	VM CORING LEVEL for NR	00 00 00		00 00 00	
13	VMMX	VM MAX for NR	07 07 07		07 07 07	
14	VAGA	V APERTURE GAIN for NR	00 03 00		00 03 00	
15	VAMX	V APERTURE MAX GAIN for NR	10 06 04		10 06 04	
16	VYNR	V YNR COISE CORING LV for NR	03 09 15		03 09 15	
17	YDT	Y DITHER LEVEL for NR	00 00 00		00 00 00	
18	GAMM	GAMMA for NR	03 02 00		03 02 00	
19	WSTH	WEAK_SIG_VTH for NR	00 07 07		00 07 07	
20	WSVA	WEAK SIG VIDEO for NR	00 00 00		00 00 00	
21	WSCA	WEAK SIG CHROMA for NR	00 03 05		00 03 05	

Device "PALLET" for "VIVID"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	VPIC	Picture(VIVID)	63		63	
2	VBRI	Brightness(VIVID)	33		32	
3	VCOL	Color(VIVID)	32		30	
4	VHUE	Hue(VIVID)	31		31	
5	VSHA	Sharpness(VIVID)	35		35	
6	VVM	VM(VIVID)	02		02	
7	VTRI	Color Temp(VIVID)	00		00	
8	VAPA	Aperture G(VIVID)	08		08	
9	VGMA	Gamma(VIVID)	03		02	
10	VDCT	DCT LV(VIVID)	12		12	
11	BKDP	BLACK STRETCH DEPTH(VIVID)	03		03	
12	BKRC	BLACK ST TIME1 , BLACK ST TIME2(VIVID)	252		252	
13	BKSP	BLACK STRETCH POINT(VIVID)	02		02	
14	CONO	CONTRAST OFFSET for RF(VIVID)	00		00	
15	COOF	Contrast offset	00		00	
16	VHK0	Y-P Fo(VIVID)	00		00	
17	VYPL	Y-Peaking Lim(VIVID)	00		00	
18	VVEN	V-Emph Gain(VIVID)	06		05	

Device "PALLET" for "STD"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	VPIC	Picture(STANDARD)	50		50	
2	VBRI	Brightness(STANDARD)	31		31	
3	VCOL	Color(STANDARD)	31		31	
4	VHUE	Hue(STANDARD)	31		31	
5	VSHA	Sharpness(STANDARD)	37		37	
6	VVM	VM(STANDARD)	01		01	
7	VTRI	Color Temp(STANDARD)	01		01	
8	VAPA	Aperture G(STANDARD)	04		04	
9	VGMA	Gamma(STANDARD)	01		01	
10	VDCT	DCT LV(STANDARD)	09		09	
11	BKDP	BLACK STRETCH DEPTH(STANDARD)	02		02	
12	BKRC	BLACK ST TIME1 , BLACK ST TIME2(STANDARD)	252		252	
13	BKSP	BLACK STRETCH POINT(STANDARD)	01		01	
14	CONO	CONTRAST OFFSET for RF(STANDARD)	00		00	
15	COOF	Contrast offset	00		00	
16	VHK0	Y-P Fo(STANDARD)	00		00	
17	VYPL	Y-Peaking Lim(STANDARD)	00		00	
18	VVEN	V-Emph Gain(STANDARD)	04		03	

Device "PALLET" for "MOVIE"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	VPIC	Picture(MOVIE)	37		37	
2	VBRI	Brightness(MOVIE)	28		28	
3	VCOL	Color(MOVIE)	31		31	
4	VHUE	Hue(MOVIE)	31		31	
5	VSHA	Sharpness(MOVIE)	34		34	
6	VVM	VM(MOVIE)	01		01	
7	VTRI	Color Temp(MOVIE)	02		02	
8	VAPA	Aperture G(MOVIE)	03		03	
9	VGMA	Gamma(MOVIE)	01		01	
10	VDCT	DCT LV(MOVIE)	09		09	
11	BKDP	BLACK STRETCH DEPTH(MOVIE)	01		01	
12	BKRC	BLACK ST TIME1 , BLACK ST TIME2(MOVIE)	252		252	
13	BKSP	BLACK STRETCH POINT(MOVIE)	01		01	
14	CONO	CONTRAST OFFSET for RF(MOVIE)	00		00	
15	COOF	Contrast offset	00		00	
16	VHK0	Y-P Fo(MOVIE)	00		00	
17	VYPL	Y-Peaking Lim(MOVIE)	00		00	
18	VVEN	V-Emph Gain(MOVIE)	04		04	

Device "PALLET" for "Pro"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	VPIC	Picture(Pro)	31		31	
2	VBRI	Brightness(Pro)	31		31	
3	VCOL	Color(Pro)	31		31	
4	VHUE	Hue(Pro)	31		31	
5	VSHA	Sharpness(Pro)	31		31	
6	VVM	VM(Pro)	00		00	
7	VTRI	Color Temp(Pro)	01		01	
8	VAPA	Aperture G(Pro)	00		00	
9	VGMA	Gamma(Pro)	00		00	
10	VDCT	DCT LV(Pro)	02		02	
11	BKDP	BLACK STRETCH DEPTH(Pro)	01		01	
12	BKRC	BLACK ST TIME1 , BLACK ST TIME2(Pro)	252		252	
13	BKSP	BLACK STRETCH POINT(Pro)	00		00	
14	CONO	CONTRAST OFFSET for RF(Pro)	00		00	
15	COOF	Contrast offset	00		00	
16	VHK0	Y-P Fo(Pro)	00		00	
17	VYPL	Y-Peaking Lim(Pro)	00		00	
18	VVEN	V-Emph Gain(Pro)	00		00	

Device "ASIC"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RFNTSC/YUV	Initial Data (DEC) 21" PAL/RF PAL/YUV	Initial Data (DEC) 29" NTSC/RFNTSC/YUV	Initial Data (DEC) 29" PAL/RF PAL/YUV
1	YNRS	YNR ON	0		0	
2	CLPS	CLAMP CONTROL SW 0:CLAMP OFF 1:CLAMP AUTO1 mode (usual procedure) 2:CLAMP ON mode 3: CLAMP AUTO2 mode (New procedure)	1		1	
3	VMG2	MODULATOR FEEDBACK GAIN CONTROL	2		02	
4	CLPT	CLAMP AUTO ON KEEP TIMER COUNT (@100ms)	15		15	
5	AASL	C DECODER TIME CONSTANT(32,16,8,1H)	2		2	
6	BASL	ACC TIME CONSTANT	0		0	
7	ACTH	ROM HYS	95		95	
8	AVAV	AVE SEL AV	3		3	
9	B2TH	B2COMP	0		0	
10	CORL	R CUTOFF lower	0		0	
11	CORH	R CUTOFF upper	1		1	
12	COGL	G CUTOFF lower when Color Temp. is "Cool" and "Neutral"	0		0	
13	COGH	G CUTOFF upper when Color Temp. is "Cool" and "Neutral"	1		1	
14	COBL	B CUTOFF lower when Color Temp. is "Cool" and "Neutral"	0		0	
15	COBH	B CUTOFF upper when Color Temp. is "Cool" and "Neutral"	1		1	
16	ALSP	ACL SPEED	0		0	
17	ALAS	ACL ATACK SPEED	146		146	
18	ABLG	ABL GAIN	4		4	
19	AKBP	AKB PULSE HEIGHT	10		10	
20	AALG	AFC GAIN	0		0	
21	AALS	ANALOG ACL ON/OFF CONTROL	1		1	
22	UVDT	UVIN DITHER TEST	14		14	
23	YDT	Y DITHER LEVEL	00		00	
24	HFFR	AFC1 FORCE FREERUN	0		0	
25	HFUP	H FREERUN FREQUENCY UP(700Hz)	0		0	
26	JSWW	Jump Pulse Width	0		0	
27	XF0A	VCXO FREERUN ADJUST	0		0	
28	BGST	BGP(for PLL) TIMING	16 6	6 16	16 6	6 16
29	XPHA	VCXO PHASE ADJUST	10		10	

Device "ASIC"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RFNTSC/YUV	Initial Data (DEC) 21" PAL/RF PAL/YUV	Initial Data (DEC) 29" NTSC/RFNTSC/YUV	Initial Data (DEC) 29" PAL/RF PAL/YUV
30	HRMP	AFC2 TIME CONSTANT	3		3	
31	RPLU	REF PLL TIME CONSTANT	3		3	
32	RPLB	REF PLL TIME CONSTANT	1		1	
33	XF0B	VCXO Fo ADJUST	0		0	
34	RPLS	REF VCO FB LOOP SELECT	0		0	
35	SSM	SyncSepaMasking CONTROL	0		0	
36	VSAG	V-SAG prevent ON	0		0	
37	AFC2	AFC2 GAIN CONTROL	0		0	
38	XPLU	ACP TIME CONSTANT	01		01	
39	XPLA	APC TIME CONSTANT BW SLOW	00		00	
40	CDM2	V_LOGIC SW	1		1	
41	MHDL	BGP SEL	1		1	
42	HRPP	FRAMP RRAMP H OUT CONTROL RANGE	02		02	
43	DSCK	DS DAC CLK SW for only Not YUV (YUV:"1"Fix)	(4:3)/00 (16:9)00		(4:3)/00 (16:9/00)	
44	VPW	V Pulse Wide	1		1	
45	DTH	DITHER THRESHOLD LEVEL CONTROL at IIC AUTOD=ON	1		1	
46	YOFF	Y OUTPUT MUTE	0		0	
47	VSSW	SYNC SLICE LEVEL(V) Wide Window	0		0	
48	AF2S	AFC2 timing SW	0		0	
49	VSL2	Digital V_SYNC_LPF(fall)	1		1	
50	VSL1	Digital V_SYNC_LPF(rise)	0		0	
51	VSHE	V-SHRINK MODE for AV-NoSync	0		0	
52	DSCS	CLOCK DIV SEL	0 1	1 1	0 1	1 1
53	14HI	4fsc(Skew)CLK POLARITY	00		00	
54	14HD	4fscCLK(Skew)CLK DELAY ADJUST	01		01	
55	DSI	8fscCLK POLARITY	01		01	
56	DSD	8fscCLK DELAY ADJUST	00		00	
57	ADCD	ADC CLK DELAY ADJUST	00		00	
58	WSTH	WEAK_SIGNAL VTH	00		00	
59	WSVA	WEAK SIGNAL VIDEO ATT	00		00	
60	WSCA	WEAK SIGNAL CHROMA ATT	00		00	
61	VREF	AD REFERNCE SELECT(VZ)	00		00	
62	DCCK	AD REFERNCE SELECT(VZ)	12 0	0 0	12 0	0 0
63	OSDC	OSD COMP	00		00	
64	HLM1	H/W AKB LIM1	04		04	
65	HLM2	H/W AKB LIM2	12		12	
66	HLM3	H/W AKB LIM3	21		21	
67	HAD1	H/W AKB SPEED1	02		02	
68	HAD2	H/W AKB SPEED2	06		06	
69	HAKE	H/W AKB MANUAL (MCU)/HARD	01		01	

Device "ASIC"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC/RFNTSC/YUV	Initial Data (DEC) 21" PAL/RF PAL/YUV	Initial Data (DEC) 29" NTSC/RFNTSC/YUV	Initial Data (DEC) 29" PAL/RF PAL/YUV
70	HASP	H/W AKB SPEED	03		03	
71	HERL	H/W AKB ERROR DET THRESH	10		10	
72	HLMC	H/W AKB ERROR DET TIME	15		15	
73	HPWL	H/W AKB POWER ON TRESH	04		04	
74	HPWC	H/W AKB POWER ON TIME	02		02	
75	HFMT	POWER ON H/W AKB2 HOLD TIMER (@100msec) [0 : No Hold]	20		20	
76	SPMT	AKB POWER ON MUTE EXIT TIMER(@100msec)	120		120	
77	Y16M	YUV 16M	01		01	
78	PCLP	Pedestal Clamp	00		00	
79	CSYN	CSYNC IN(0:Synchronization from SYNC on Y, 1:Activate External CSYNC)	00		00	

Device "CDEC"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC	Initial Data (DEC) 21" PAL	Initial Data (DEC) 29" NTSC	Initial Data (DEC) 29" PAL
1	CLSY	Color System NTSC / PALM / PALN / AUTO	6 3 7 12		6 3 7 12	
2	YGAN	Y Gain	1		1	
3	RGAN	Cr Gain	1 3	3	1	3
4	BGAN	Cb Gain	1 3	3	1	3
5	TRPA	C-Trap Adj	7		4	
6	TRPF	C-Trap Fine Adj.	0		0	
7	TINT	Tint Control	64 64	64	64	64
8	LPFO	LPF OFF	0		0	0
9	RPDA	Cr Pedstal Adj	32		32	32
10	BPDA	Cb Pedstal Adj	32		32	32
11	TRPT	C-Trap TEST	0		0	0
12	ANGL	C Angle95	1		1	1
13	TAKE	Take Off	RF:0 AV/YUV: 0		0	0
14	KILL	Killer Level	0		0	
15	TRPO	C-Trap Off	21": RF/AV:0 YUV:1 29/34/38": RF/AV:1 YUV:1		21": RF/AV:0 YUV:1 29/34/38": RF/AV:1 YUV:1	
16	STRO	Sideband Trap OFF	0		0	
17	BPFO	C BPF OFF	0		0	
18	FORC	Force Color	0		0	
19	FORM	Force Mono	0		0	
20	DDSO	DDS OFF	0		0	
21	CAFC	AFC1 Gain Up	4		4	
22	HVCO	H VCO Adj	2		2	
23	HFRE	H-Free	0		0	
24	SSLD	S Slice Down	4		4	
25	YSLP	Y Sync LPF	0		0	
26	VSDO	V Std Det Off	0		0	
27	VSYD	V Sync Det	6		6	
28	VFOM	Force V Mode	0		0	
29	VF60	V-Free 60	0		0	
30	MONI	Monitoring	0		0	
31	FSCF	Fsc Free	0		0	
32	FSCS	Fsc Select	0		0	
33	READ	Read Page	0		0	
34	BGSL	Burst Gate Pulse Select	1		1	
35	BGSH	Burst Gate Pulse Timing Shift	0		0	
36	CPAO	CbCr Pedestel Adjustment OFF (0:ON ,ON 1:OFF)	0		0	
37	DLPU	DDS LPF Adjust	0		0	

Device "3LCOM"

Item#	OSD	DETAIL	Initial Data (DEC) 21" NTSC	Initial Data (DEC) 21" PAL	Initial Data (DEC) 29" NTSC	Initial Data (DEC) 29" PAL
1	FUNC	Function	0	3	0	3
2	DRNG	DRANG	1		1	
3	YCSM	Y/C SEP MODE	0		0	
4	CNRK	CNRK	1		3	
5	CNRL	CNR-LIM	1		3	
6	CLPF	C-LPF	1		1	
7	SLPF	SELC-LPF	0		0	
8	MODE	Mode 1	0		0	
9	YPG	Y-Peak Gain	3		1	
10	PDSC	Pds. Clip	0		0	
11	YLPF	Y-LPF	1		1	
12	VENL	V-Emph N.L	6		6	
13	VEC	V-Emph Core	3		3	

Device "Audio Processor"

Item#	OSD	DETAIL		Initial Data (DEC) Others	21FA	29FA	21FV	29FV
1	SBAL	Sub Balance		4	4	4	4	4
2	SBAS	Sub Bass		4	0	0	6	4
3	STRE	Sub Treble		4	0	6	7	4
4	SRL	Surround Level		0	0	0	0	0
5	BBOL	Surround Off-BBE Low		0	4	8	0	2
6	BBOH	Surround Off-BBE High		0	7	4	0	4
7	BBSL	Simulate BBE Low		0	2	2	0	2
8	BBSH	Simulate BBE High		0	7	4	0	2
9	BBGL	WOW Game BBE Low		0	4	6	0	0
10	BBGH	WOW Game BBE High		0	9	2	0	4
11	BBTL	SRS Low		0	0	0	0	0
12	BBTH	SRS High		0	0	0	0	4
13	BBDL	Dolby Virtual Low		0	3	6	0	0
14	BBDH	Dolby Virtual High		0	5	4	0	0
15	VFIX	Audio output fix data		244	1	1	0	242
16	AGCL	AGC level		0	2	2	2	2
17	VCOF	VOLUME OFFSET for RF		3	9	9	9	3

Device "Audio Processor2"

Item#	OSD	DETAIL		Initial Data (DEC) 21FA	29FA	Other
1	BBEL	Dolby Virtual Low sub		2	9	X
2	BBEH	Dolby Virtual High sub		5	9	X
3	BBOL	Surround Off-BBE Low		2	9	X
4	BBSL	Simulate BBE Low		2	5	X
5	BBGL	WOW Game BBE Low		3	10	X
6	AGCL	Sub Audio Processor AGC level		2	2	X
7	DDOF	Dolby Offset data		15	0	X

Device "Microprocessor"

Item#	OSD	DETAIL	Initial Data (DEC) 21"		Initial Data (DEC) 29"	
1	DISP	OSD horizontal position	93		93	
2	MEDP	Menu display position	110		110	
3	DIVP	OSD vertical position offset for 50Hz	00		00	
4	HRLW	Low limit of H-pulse counting window (RF)	16		16	
5	HRHG	High limit of H-pulse counting wondow (RF)	64		64	
6	HSDT	H-pulse Detection(S-Video)	08		08	
7	STPI	Gradual CONTRAST Increase Starting level	40		40	
8	RAPI	Gradual CONTRAST Increase Vsync counter	10		10	
9	ZD60	Zero Cross Relay Delay for AC 60Hz	60		60	
10	ZD50	Zero Cross Relay Delay for AC 50Hz	40		40	
11	ABLT	ABL protection counter	03		03	
12	OSLR	R OSD level	27		27	
13	OSLG	G OSD level	27		27	
14	OSLB	B OSD level	27		27	

4-5. TABELA DE ID

Note: The Device name for ID Map group is “Feature”

Model	ID 0	ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7
KV-21FA310	**39**	**7**	**103**	**128**	**40**	**64**	**32**	**97**
KV-21FV210	**39**	**7**	**13**	**128**	**40**	**64**	**32**	**65**
KV-29FA310	**39**	**15**	**103**	**128**	**169**	**80**	**32**	**97**
KV-29FS110	**39**	**15**	**15**	**128**	**169**	**80**	**32**	**97**
KV-29FV210	**39**	**31**	**167**	**128**	**169**	**80**	**32**	**97**

4-6. AJUSTES DO BALANÇO DE BRANCO

1. Coloque um sinal branco com burst.
2. Entre no Modo de Serviço.
3. Coloque o CONTRASE e BRILHO no mínimo.
4. Ajuste SBRT(Sub-brilho) caso necessário.
5. Tecle 2 ou 5 para selecionar item VP1 .
6. Tecle 1 ou 4 para selecionar item GCUT OSD.
7. Tecle 3 ou 6 para ajustar melhor nível de balanço de branco.
8. Tecle 1 ou 4 para selecionar item BCUT OSD.
9. Tecle 3 ou 6 para ajustar melhor nível de balanco de branco.
10. Coloque o CONTRASE e BRILHO no máximo.
11. Tecle 1 ou 4 para selecionar item GDRV OSD.
12. Tecle 3 ou 6 para ajustar melhor nivel de balanco de branco.
13. Tecle 1 ou 4 para selecionar item BDRV OSD.
14. Tecle 3 ou 6 para ajustar melhor nivel de balanco de branco.
15. Tecle MUTING depios ENTER para salvar na memória

4-7. AJUSTES DA PLACA AW

Verificação da Freqüência Horizontal

1. Entre no modo TV (RF) sem sinal.
2. Conecte um frequencimetro na base do Q501 (TP-25 H. DRIVE) da placa AW.
3. A freqüência lida deve estar entre 15735 ± 200 Hz.

Verificação da Freqüência Vertical

1. Selecione o modo de VIDEO 1 sem sinal de entrada.
2. Coloque os ajustes todos em PADRÃO.
3. Conecte um freqüêncimetro ao TP-27 (V OUT) ou no pino ⑥ do CN501(V DY+) e o terra da placa AW.
4. Verifique a freqüência e de 60 ± 4 Hz.

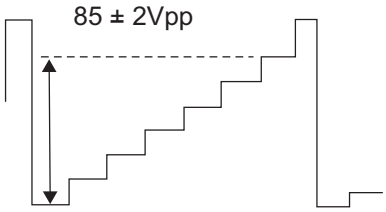
Drive (SCON)

1. Entre com o sinal de barras de cores com 75% de nível.
2. Coloque no modo Pro + CONTRASTE NO MÁXIMO
3. Entre no modo de serviço.
4. Tecle 2 ou 5 para selecionar item VP1.
5. Tecle 1 ou 4 para selecionar item GON OSD .
6. Tecle 3 ou 6 para ajustar para 0.
7. Tecle 1 ou 4 para selecionar item BON OSD.
8. Tecle 3 ou 6 para ajustar para 0.

   Nota: So no RON coloque para “1”.

R ON:	ON	(1)
G ON:	OFF	(0)
B ON:	OFF	(0)

9. Conecte o osciloscópio na placa C, no CN705 pino 3 (KR).
10. Tecle 1 ou 4 para selecionar item SCON OSD.
11. Tecle 3 ou 6 para ajustar o valor do SCON para 85 ± 2Vpp.



12. Repita os passos 5 à 8 para reset os valores de GON e BON para “1”.

R ON:	ON	(1)
G ON:	ON	(1)
B ON:	ON	(1)

13. Tecle MUTING depois ENTER para gravar na memória

Ajuste da Posição dos Caracteres (DISP)

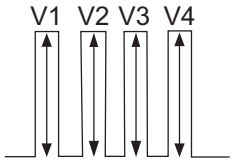
1. Entre com o sinal de barras coloridas.
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item Microprocessador.
4. Tecle 1 ou 4 para selecionar item DISP OSD.
5. Tecle 3 ou 6 para ajustar os caracteres no centro.
6. Tecle MUTING depois ENTER para gravar na memória
7. Verifique posicao de caracteres na tela.

Ajuste do Sub Brilho (SBRT)

1. Entre com o sinal monoscope.
2. Entre no modo de serviço.
3. Configure CONTRASTE e BRILHO no mínimo.
4. Tecle 2 ou 5 para selecionar item VP1.
5. Tecle 1 ou 4 para selecionar item SBRT OSD .
6. Tecle 3 ou 6 para obter melhor visualisação da marca 20 IRE , após disso aumente +3 passos.
7. Tecle MUTING depois ENTER para escrever na memória

Ajustes de Sub Hue, Sub Color (SHUE, SCOL)

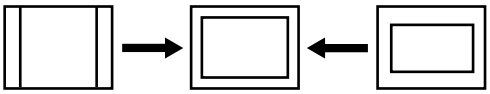
1. Entre com um sinal de barras coloridas com um nível de 75%.
2. Entre no modo de servico.
3. Configure (Contraste) ao máximo e (Cor) a 50%.
4. Conecte o osciloscópio a placa C , ponto CN705 Pino ④ (Blue Out).
5. Tecle 2 ou 5 para selecionar item VP1.
6. Tecle 1 or 4 para selecionar item SHUE ou SCOL OSD.
7. Enquanto exibir o SHUE ajuste a forma de onda pressionando as teclas 3 ou 6 até que a segunda e terceita barras fiquem com o mesmo nível (V2 = V3 < 0.15Vp-p). Set Sub Hue -2 Step.
8. Enquanto exibir o SHUE ajuste a forma de onda pressionando as teclas 3 ou 6 até que a primeira e quarta barras fiquem com o mesmo nível (V1 = V4 < 0.15Vp-p). Set Sub Col + 2 Step.



9. Tecle MUTING depois ENTER para escrever na memória

Ajuste de Tamanho Vertical (VSIZ)

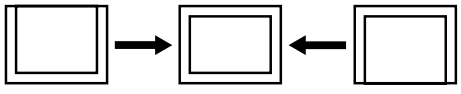
1. Entre com um sinal quadriculado (crosshatch)
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item DEF .
4. Tecle 1 ou 4 para selecionar item VSIZ OSD .
5. Ajuste o valor do VPOS pressionando 3 ou 6 para obter o melhor posicionamento.
6. Tecle MUTING depois ENTER para escrever na memória.



Ajuste da Centralização Vertical (VPOS)

Execute esse ajuste depois de fazer o verificação da Freqüência Horizontal (Free Run).

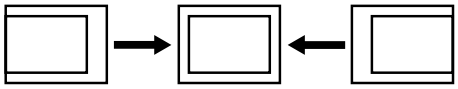
1. Entre com um sinal quadriculado(crosshatch)
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item DEF.
4. Tecle 1 ou 4 para selecionar item VPOS OSD.
5. Ajuste o valor do VPOS pressionando 3 ou 6 para o melhor centralizamento.
6. Tecle MUTING depois ENTER para escrever na memória.



Ajuste da Centralização Horizontal (HPOS)

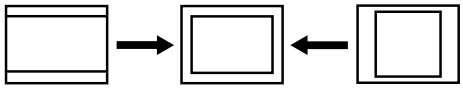
Execute esse ajuste depois de fazer o verificação da Freqüência Horizontal.

1. Entre com um sinal quadriculado (crosshatch).
2. Entre no modo de servico.
3. Tecle 2 ou 5 para selecionar item DEF.
4. Tecle 1 ou 4 para selecionar item HPOS OSD.
5. Ajuste o valor HPOS pressionando 3 ou 6 para melhor centralização horizontal.
6. Tecle MUTING depois ENTER para escrever na memoria



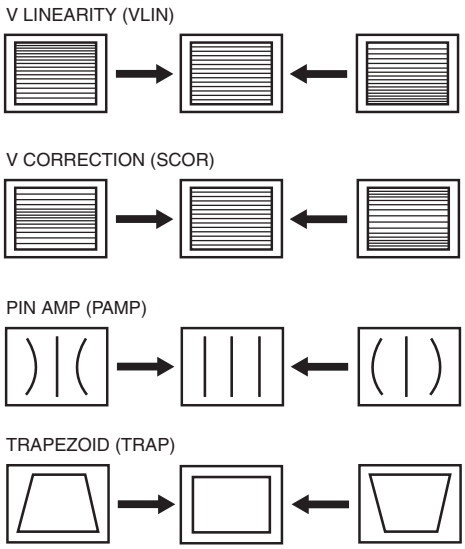
Ajuste do Tamanho Horizontal (HSIZ)

1. Entre com o sinal monoscope.
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item DEF.
4. Tecle 1 ou 4 para selecionar item HSIZ OSD.
5. Ajuste o valor do HSIZ pressionando 3 ou 6 para melhor tamanho.
6. Tecle MUTING depois ENTER para escrever na memória



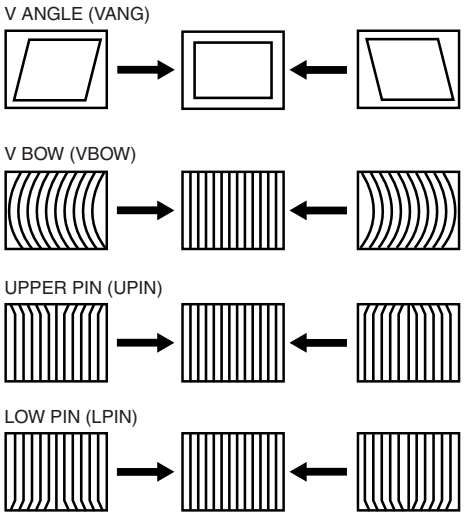
Ajustes de Linealidade V. Linearity (VLIN), Correção V.(SCOR), PIN Amp (PAMP), e Trapézio Horizontal (HTRP)

1. Entre com um sinal quadriculado (crosshatch).
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item DEF.
4. Tecle 1 ou 4 para selecionar item VLIN OSD .
5. Ajuste o valor do VPOS pressionando 3 ou 6 para melhor tamanho horizontal.
6. Repita os passos 4 e 5 para SCOR, PAMP, e TRAP.
7. Tecle MUTING depois ENTER para gravar na memória.



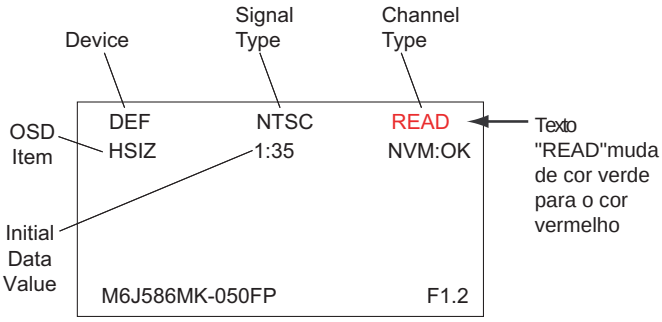
Ajustes de V. Ânglo (VANG), V. Bow (VBOW), PIN superior(UPIN) e PIN inferior(LPIN)

1. Entre com um sinal quadriculado (crosshatch).
2. Entre no modo de serviço.
3. Tecle 2 ou 5 para selecionar item DEF.
4. Tecle 1 ou 4 para selecionar item VANG OSD.
5. Ajuste o valor do VANG pressionando 3 ou 6 para melhor imagem.
6. Repita os passos 4 e 5para VBOW, UPIN, e LPIN.
7. Tecle MUTING depois ENTER para gravar na memória.



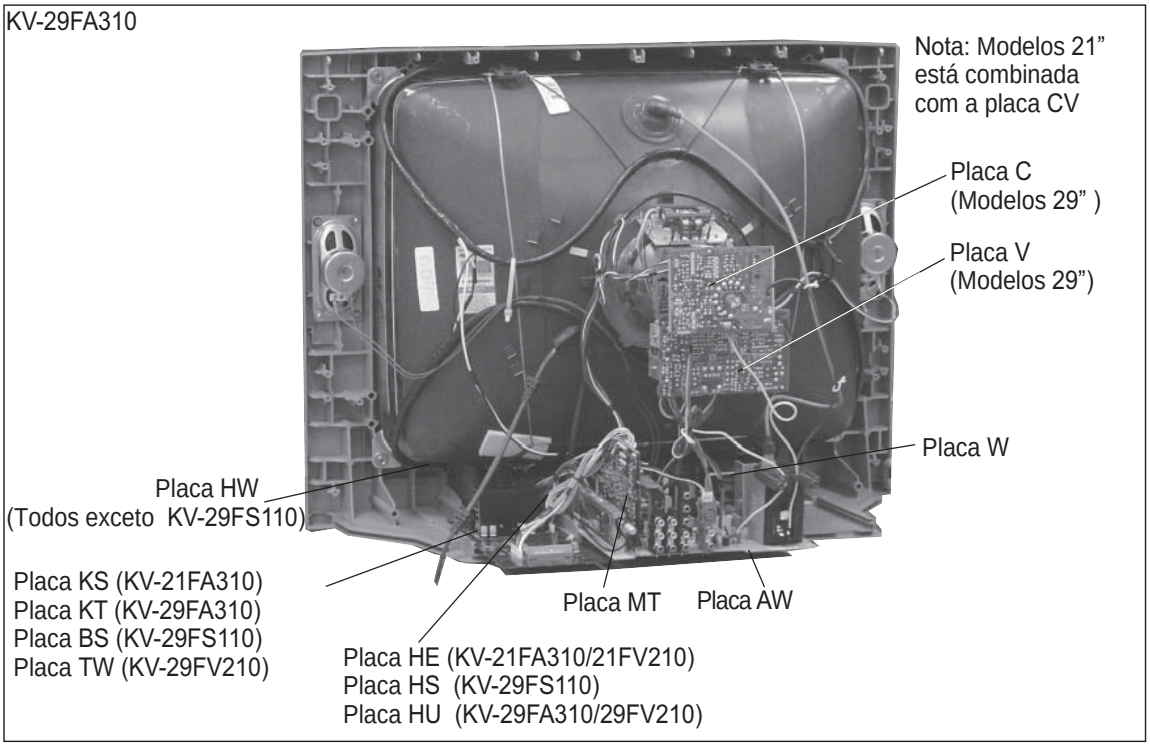
Ajuste do Modo de Memória

1. Após completar todos os ajustes, tecle, 0 depois ENTER para leitura dos dados gravadas na memória.



SEÇÃO 5: DIAGRAMAS

5-1. LOCALIZAÇÃO DAS PLACAS DE CIRCUITO



5-2. INFORMAÇÕES SOBRE PLACAS DE CIRCUITO IMPRESSO E DIAGRAMAS ESQUEMÁTICOS

Todos os capacitores est~ao µF a menos que indicados.. pF : µµF 50WV ou menores nao sao indicados, exceto para os eletroliticos e os de tântalo.

Todos os eletroliticos são de 50V a menos que especificados.

Todos os resistores estão em ohms. k=1000, M=1000k

Para indicacoes de resistência, que não tiverem o valor da potência segue o seguinte:: Pitch : 5mm Rating electrical power :

$^1/_4$ W in resistance, $^1/_{10}$ W and $^1/_8$ W in chip resistance.

: resistor anti-chama

: fusistor

△ : componente interno

▭ : designação no painel e ajsutes para reparo

⊥ : terra

⏚ : terra (chassis)

Todos os variáveis e resistores ajustáveis tem curva característica B, a menos que especificados.

As leituras devem ser feitas com sinal de barras coloridas.

As leituras devem ser feitas com um multimetro digital de 10Mohms

As tensões estao em relação ao terra DC a menos que especificadas.

Variações de tensão podem ser consideradas desde que dentro da tolerância.

Todas as tensões estão em V.

S : impossível de medir

: linha +B

(o valor atual medido pode ser diferente).

: linha do sinal . (RF)

Números circulados se referem a formas de onda.

Os componentes sombreados ou com a marca ⚠ sao criticos para a segurança.Somente os substitua pela peça especifica.

O símbolo indica fusível de operação rápida. troque-os somente por outro de mesmo valor, como indicado.

Os componentes identificados com a marca ⋈ nesse esquema elétrico básico devem ser cuidadosamente selecionados para que satisfacam completamente a regulamentacao para raios X. Se necessitarem troca o facam apenas por aqueles que possuem originalmennte o mesmo valor.

Quando trocar peças com a marca ◢, faça os ajustes necessários conforme indicado.Se os resultados não atingirem a especificação,troque a peça com a marca ⋈ e repita o ajuste até que o valor especificado será alcançado..
(Referência para seção 3: Ajustes de segurança do Pag.18)

Quando substituir peças da lista abaixo, não deixe de executar o ajuste:

Peça Trocada(◢)	Adjustet (⋈)
C531, C532, D519, D520, D521, IC501, IC600, PH602, R529, R530, R531, R532, R533, R550, T503 (FBT), T504 (DFT)	HV HOLD-DOWN R530, R531

INFORMAÇÃO PARA REFERÊNCIA

RESISTOR
- **: RN METAL FILM**
- **: RC SOLID**
- **: FPRD CARBONO ANTICHAMA**
- **: FUSE FUSIVEL ANTICHAMA**
- **: RW NONFLAMMABLE WIREWOUND**
- **: RS METAL OXIDE ANTICHAMA**
- **: RB NONFLAMMABLE CEMENT**
- **: ※ RESISTOR AJUSTAVEL**

INDUTOR
- **: LF-8L MICRO INDUCTOR**

CAPACITOR
- **: TA TANTALUM**
- **: PS STYROL**
- **: PP POLYPROPYLENE**
- **: PT MYLAR**
- **: MPS METALIZED POLYESTER**
- **: MPP METALIZED POLYPROPYLENE**
- **: ALB BIPOLAR**
- **: ALT ALTA TEMPERATURA**
- **: ALR HIGH RIPPLE**

5-3. DIAGRAMAS EM BLOCOS E ESQUEMÁTICOS

DIAGRAMA EM BLOCO DO FLUXO DE SINAL

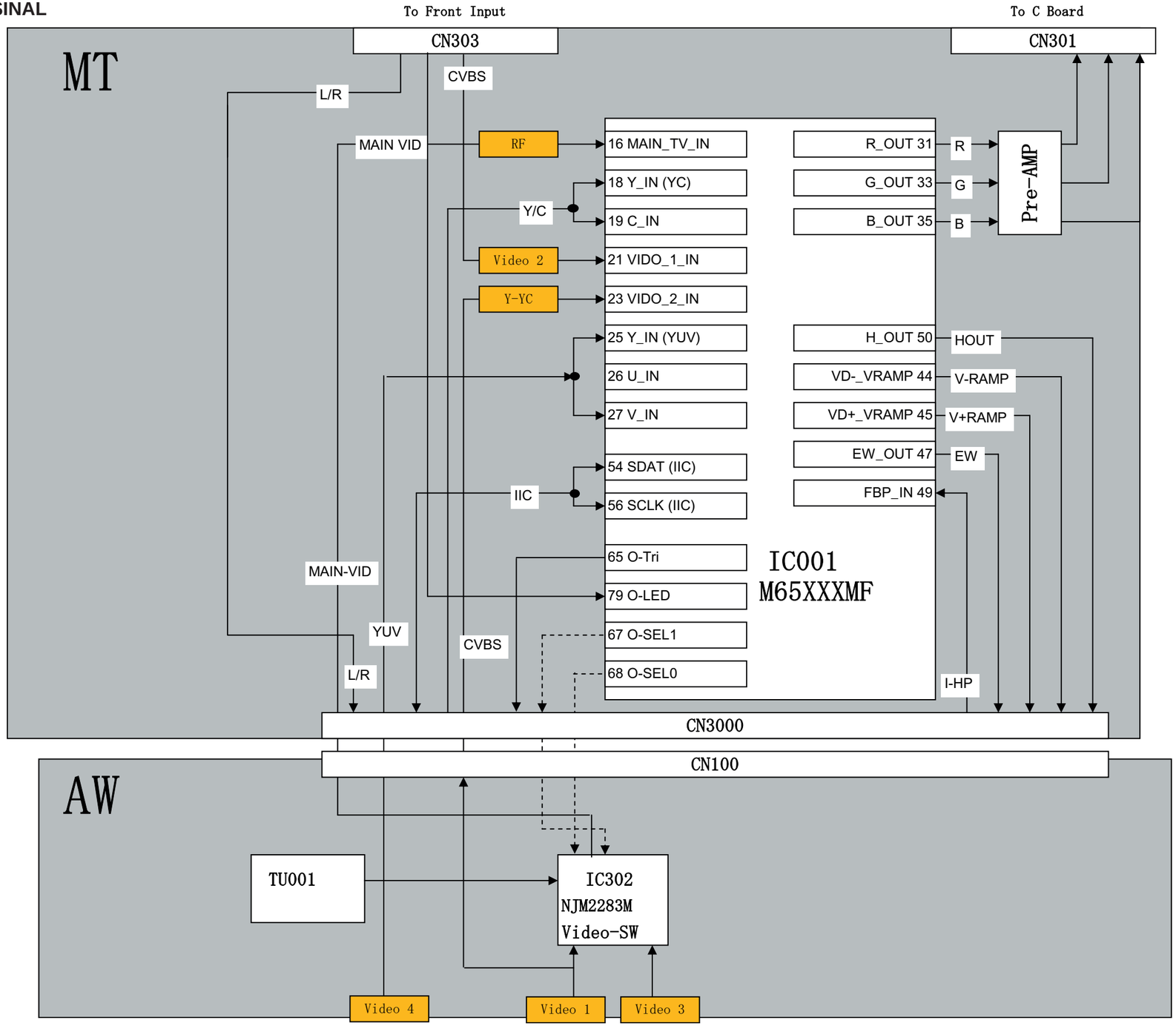
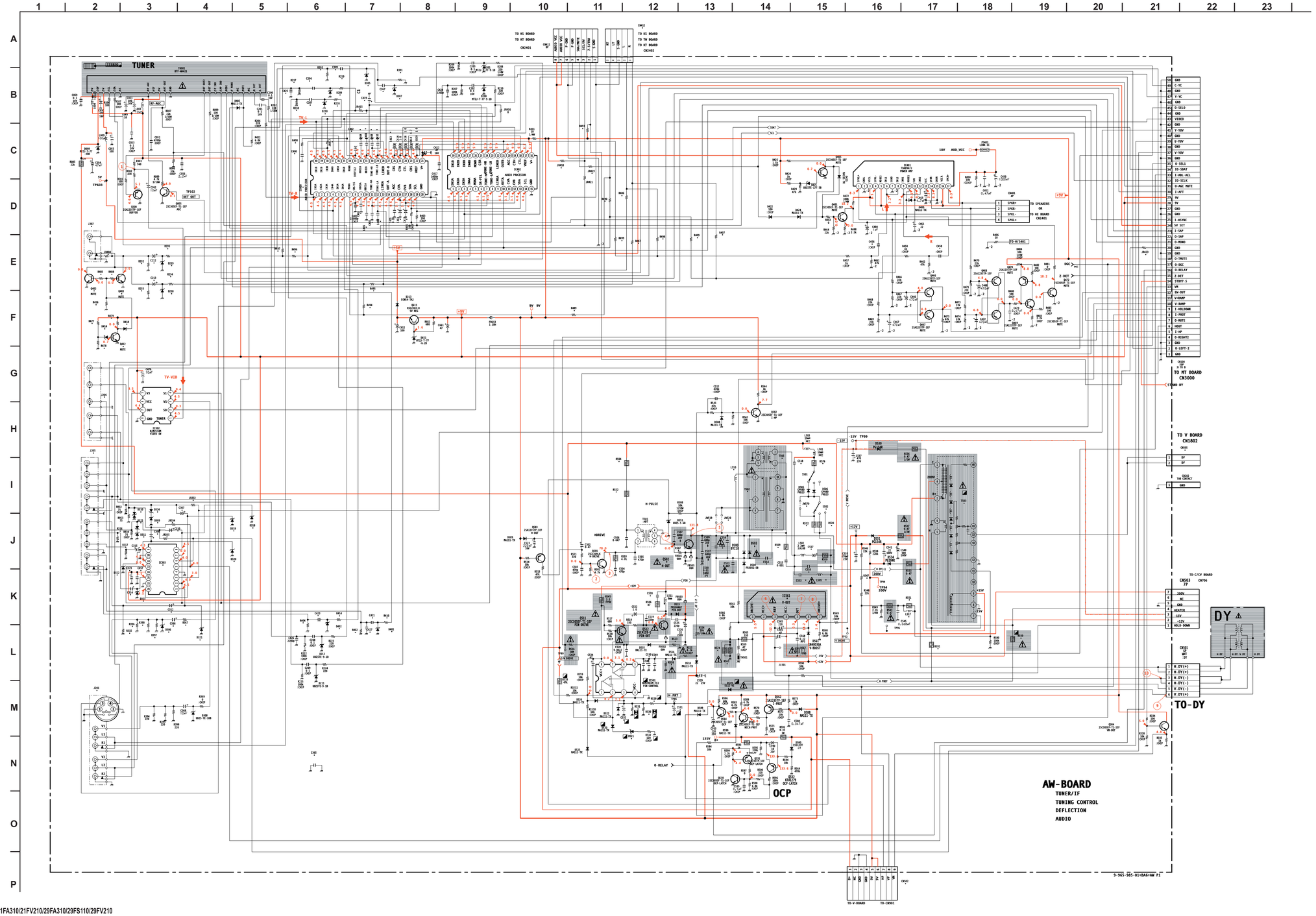


DIAGRAMA ESQUEMÁTICO DA PLACA AW (1 OF 2)



FORMAS DE ONDAS DA PLACA AW

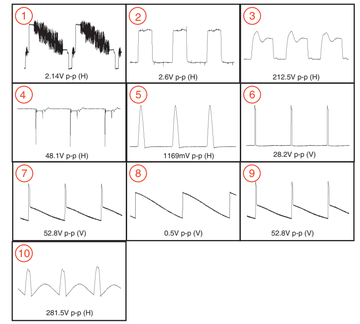
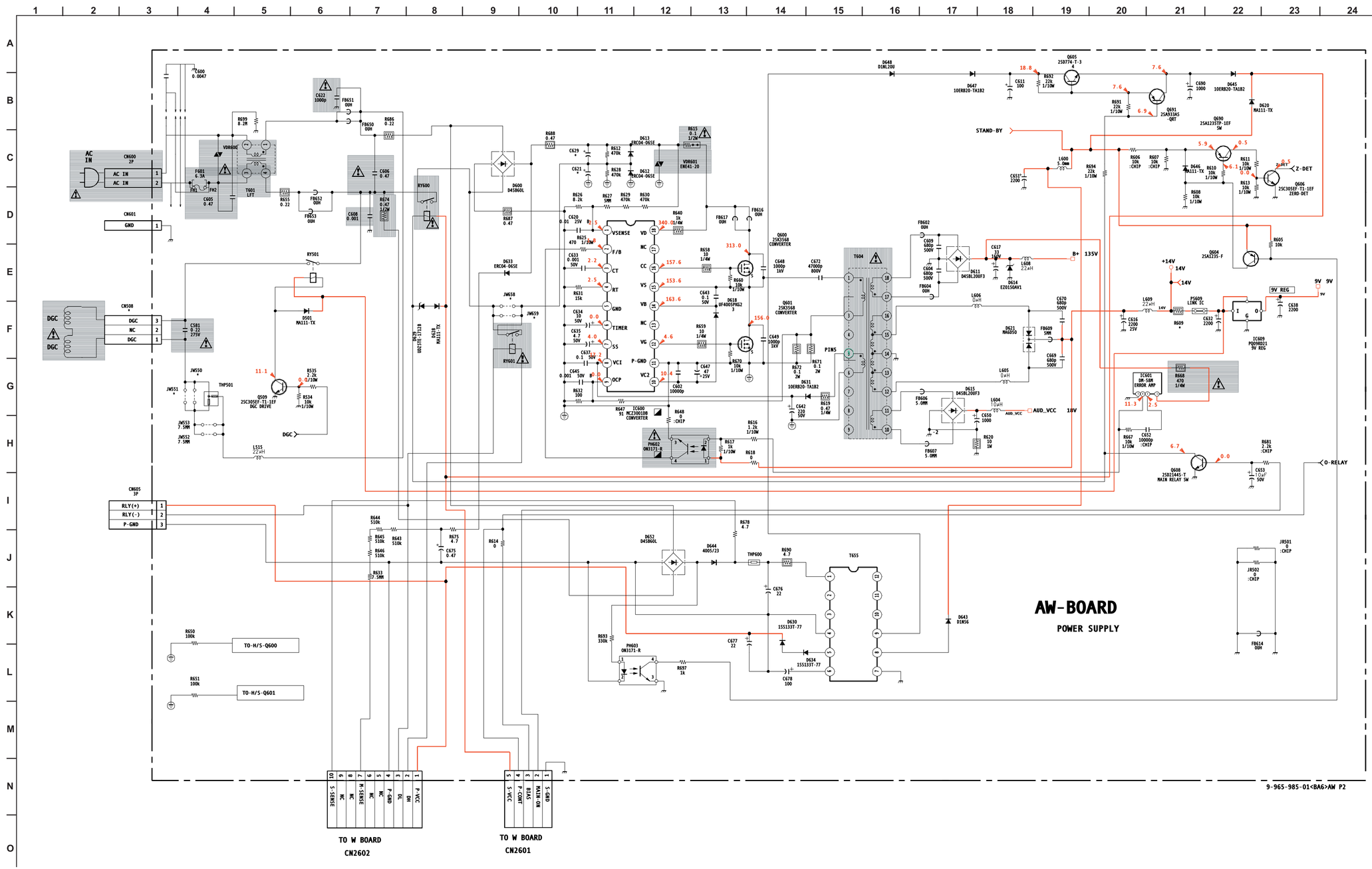
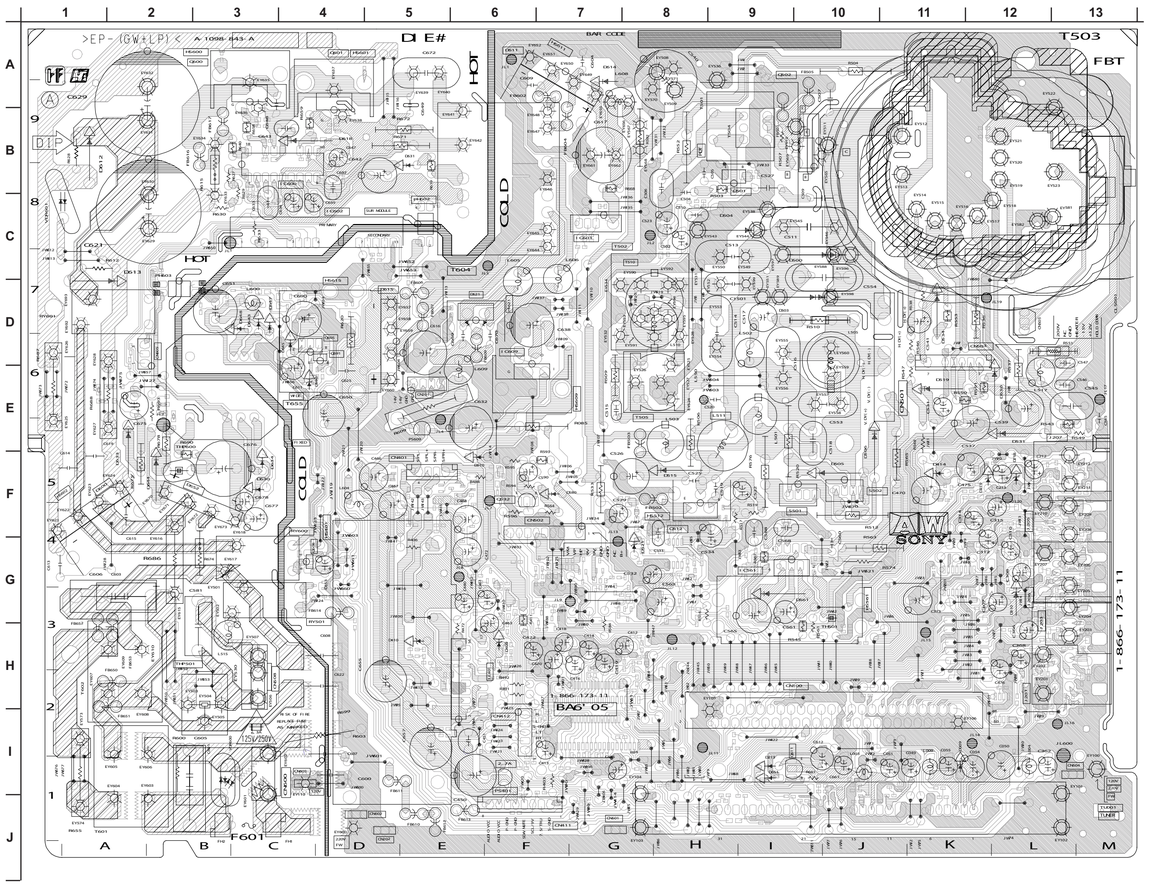


DIAGRAMA ESQUEMATICO DA PLACA AW (2 OF 2)



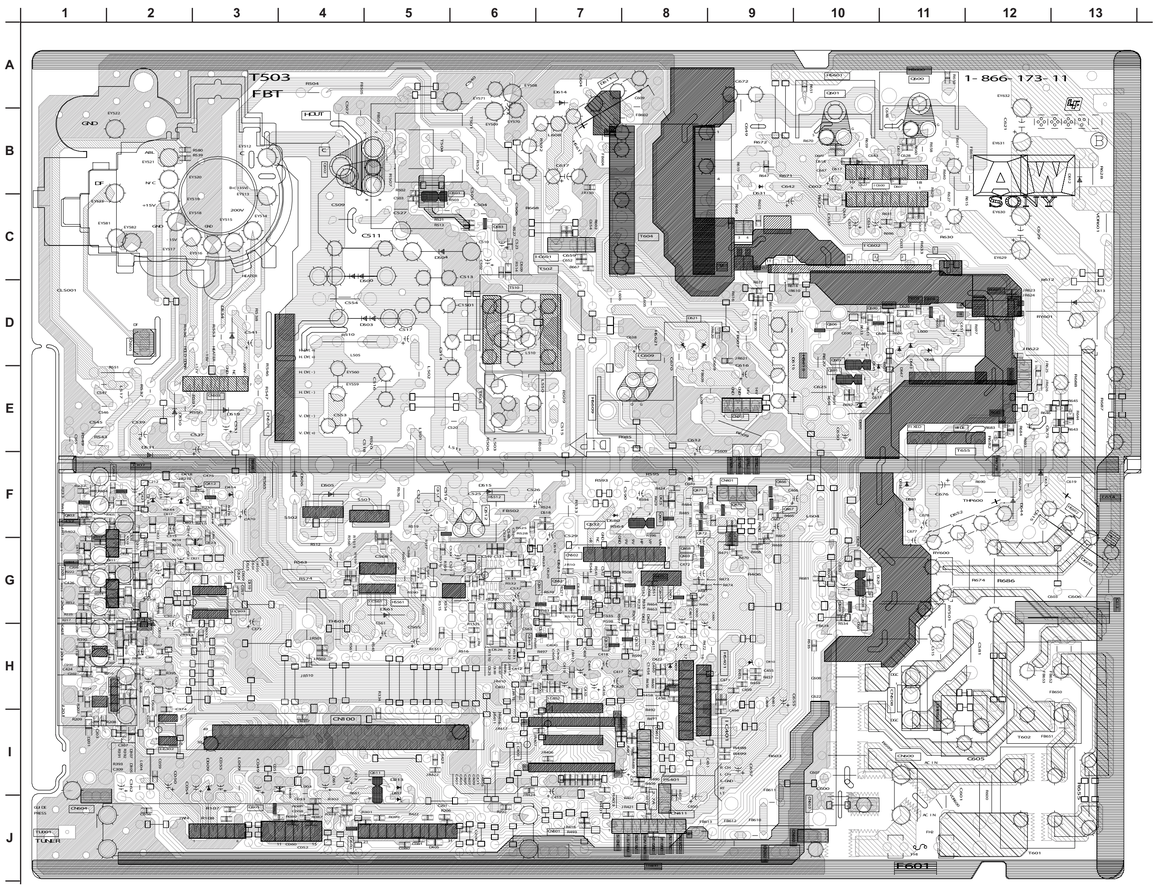
AW [TUNER/IF, TUNING CONTROL, DEFLECTION, AUDIO, POWER SUPPLY]

LADO DE COMPONENTE



AW [TUNER/IF, TUNING CONTROL, DEFLECTION, AUDIO, POWER SUPPLY]

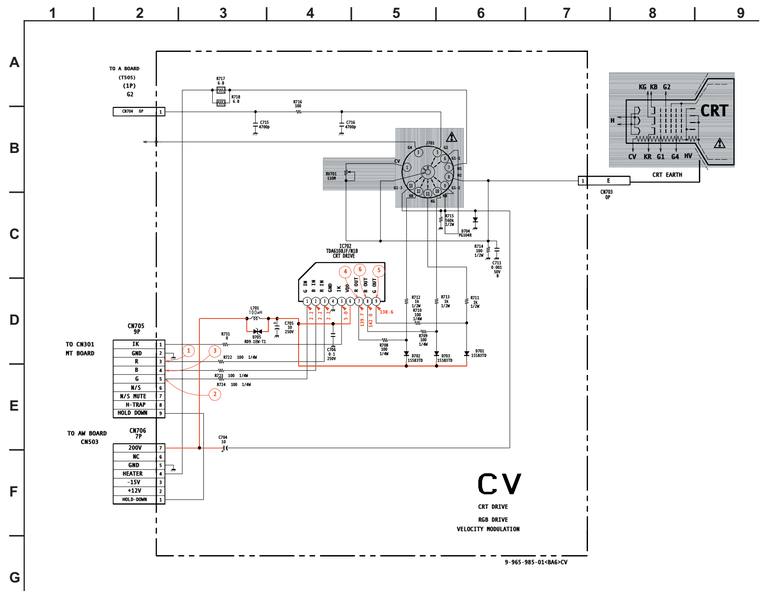
LADO DE CONDUTOR



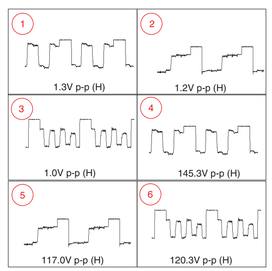
AW BOARD LOCATOR LIST
CONDUCTOR SIDE

DIODE		DIODE		DIODE		DIODE		DIODE		DIODE		TRANSISTOR		TRANSISTOR	
D009	I-3	**D311**	G-2	**D423**	G-8	**D521**	G-7	**D611**	A-7	**D645**	D-10	**Q005**	I-4	**Q509**	G-10
D200	H-1	**D318**	G-3	**D424**	G-8	**D522**	H-6	**D612**	B-13	**D646**	D-11	**Q300**	J-4	**Q511**	F-5
D201	I-1	**D319**	G-3	**D425**	F-8	**D525**	H-6	**D613**	D-13	**D647**	E-10	**Q304**	G-8	**Q512**	F-6
D209	H-2	**D320**	G-3	**D500**	C-4	**D526**	H-6	**D614**	A-7	**D648**	D-11	**Q401**	G-8	**Q530**	H-7
D210	H-2	**D321**	G-2	**D501**	G-10	**D530**	E-2	**D615**	E-9	**D651**	I-5	**Q402**	F-2	**Q531**	G-8
D211	H-2	**D322**	G-2	**D503**	D-4	**D531**	E-2	**D618**	B-10	**D652**	D-10	**Q403**	F-1	**Q532**	F-7
D212	G-2	**D323**	G-3	**D504**	C-5	**D534**	D-3	**D620**	D-11	**IC**		**Q405**	F-8	**Q561**	G-6
D213	I-5	**D324**	G-3	**D505**	F-4	**D535**	G-6	**D621**	D-8	**IC302**	I-2	**Q412**	F-3	**Q562**	G-7
D218	F-2	**D325**	G-3	**D506**	F-4	**D551**	G-8	**D628**	F-10	**IC303**	G-3	**Q466**	F-9	**Q564**	G-6
D219	F-2	**D400**	G-8	**D508**	G-8	**D561**	G-5	**D629**	G-10	**IC400**	I-7	**Q467**	F-9	**Q582**	G-7
D305	I-2	**D401**	F-2	**D509**	D-6	**D580**	F-7	**D630**	F-11	**IC401**	I-9	**Q468**	G-8	**Q583**	C-6
D306	H-2	**D402**	G-2	**D515**	F-6	**D588**	G-7	**D631**	C-9	**IC501**	G-6	**Q469**	G-8	**Q600**	A-11
D307	I-2	**D405**	J-5	**D516**	G-7	**D589**	H-6	**D633**	F-12	**IC561**	G-5	**Q470**	F-9	**Q601**	A-10
D308	H-2	**D414**	F-3	**D518**	F-7	**D590**	G-7	**D634**	F-11	**IC600**	C-10	**Q471**	F-8	**Q604**	D-11
D309	G-3	**D418**	F-2	**D519**	E-3	**D600**	F-12	**D643**	D-11	**IC601**	C-7	**Q472**	F-8	**Q605**	D-10
D310	G-2	**D422**	H-8	**D520**	G-7	**D602**	E-11	**D644**	F-12	**IC602**	H-7	**Q501**	B-6	**Q606**	D-10
										IC609	D-8	**Q502**	B-4	**Q608**	G-10
														Q611	I-5
														Q690	D-10
														Q691	D-10

DIAGRAMA ESQUEMATICO DA PLACA CV (SOMENTE PARA KV-21FA310/21FV210)

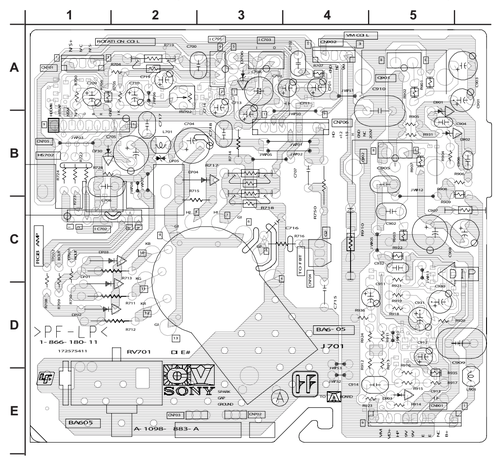


FORMAS DE ONDAS DA PLACA CV



CV [CRT DRIVE, RBG DRIVE, VELOCITY MODULATION]

LADO DE COMPONENTE (SOMENTE PARA KV-21FA310/21FV210)



CV [CRT DRIVE, RBG DRIVE, VELOCITY MODULATION]

LADO DE CONDUTOR (SOMENTE PARA KV-21FA310/21FV210)

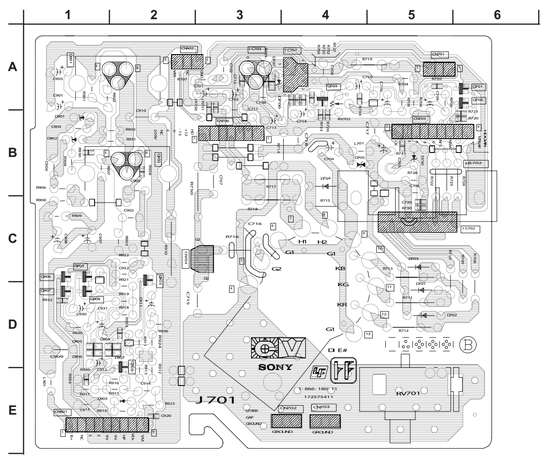
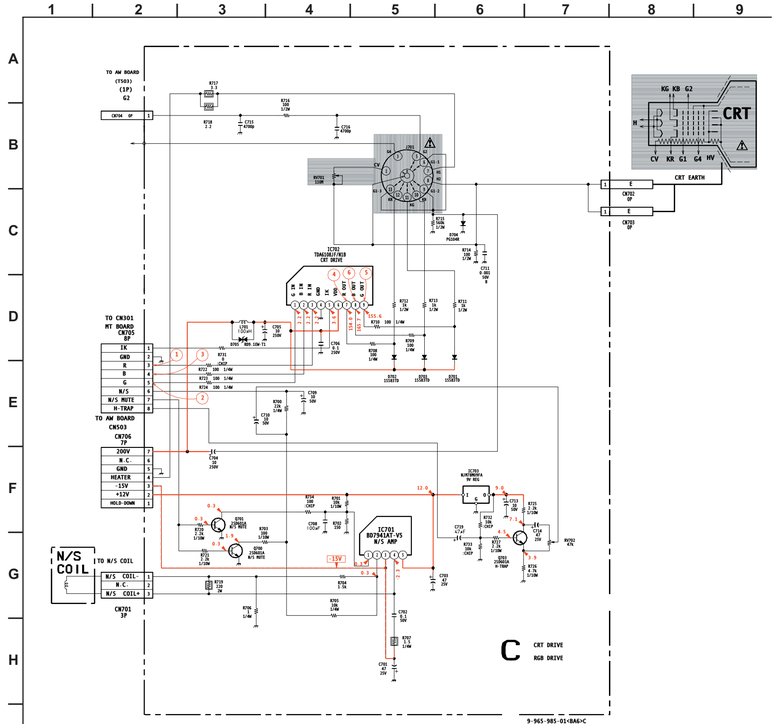
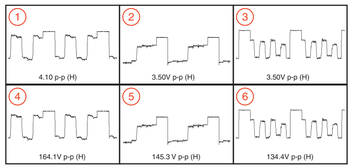


DIAGRAMA ESQUEMATICO DA PLACA C (SOMENTE PARA KV-29FA310/29FS110/29FV210)

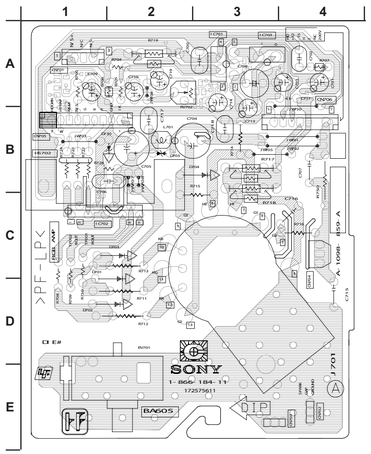


FORMAS DE ONDAS DA PLACA C



C [CRT DRIVE, RGB DRIVE]

LADO DE COMPONENTE (SOMENTE PARA KV-29FA310/29FS110/29FV210)



C [CRT DRIVE, RGB DRIVE]

LADO DE CONDUTOR (SOMENTE PARA KV-29FA310/29FS110/29FV210)

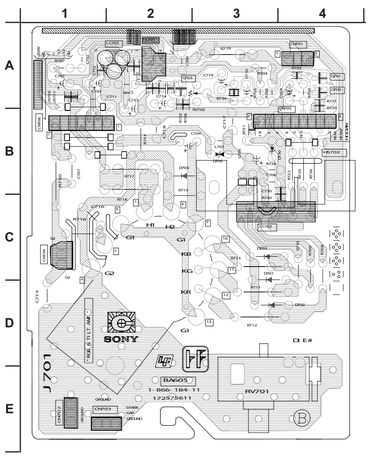
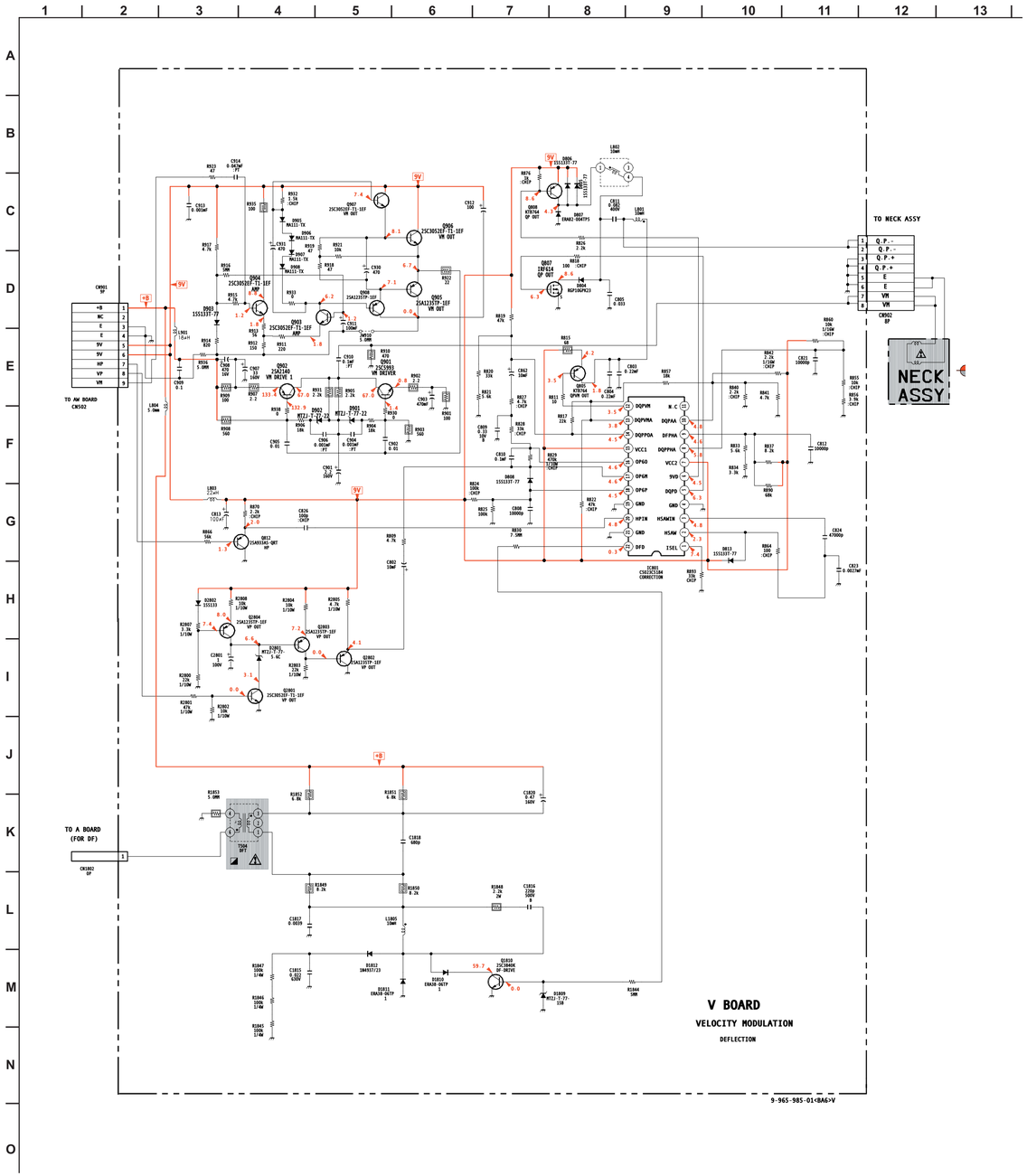
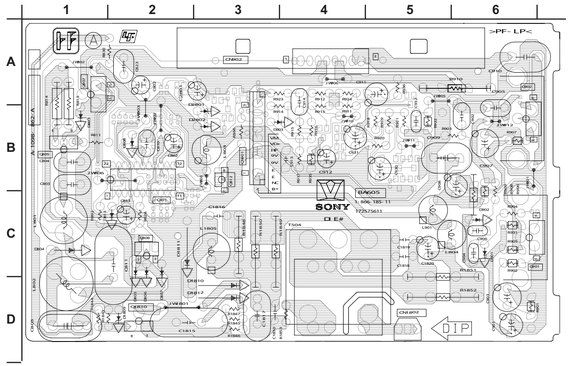


DIAGRAMA ESQUEMATICO DA PLACA V (SOMENTE PARA KV-29FA310/29FS110/29FV210)



[V] [VELOCITY MODULATION, DEFLECTION]
LADO DE COMPONENTE (SOMENTE PARA KV-29FA310/29FS110/29FV210)



[V] [VELOCITY MODULATION, DEFLECTION]
LADO DE CONDUTOR (SOMENTE PARA KV-29FA310/29FS110/29FV210)

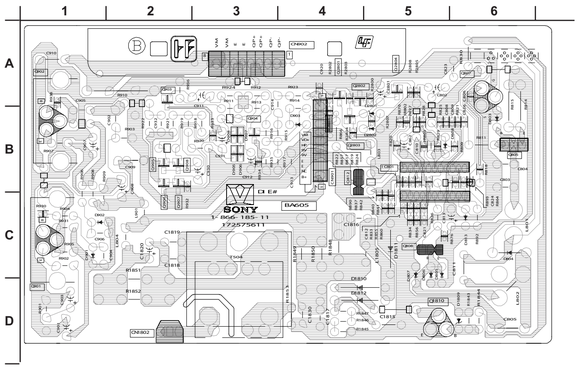
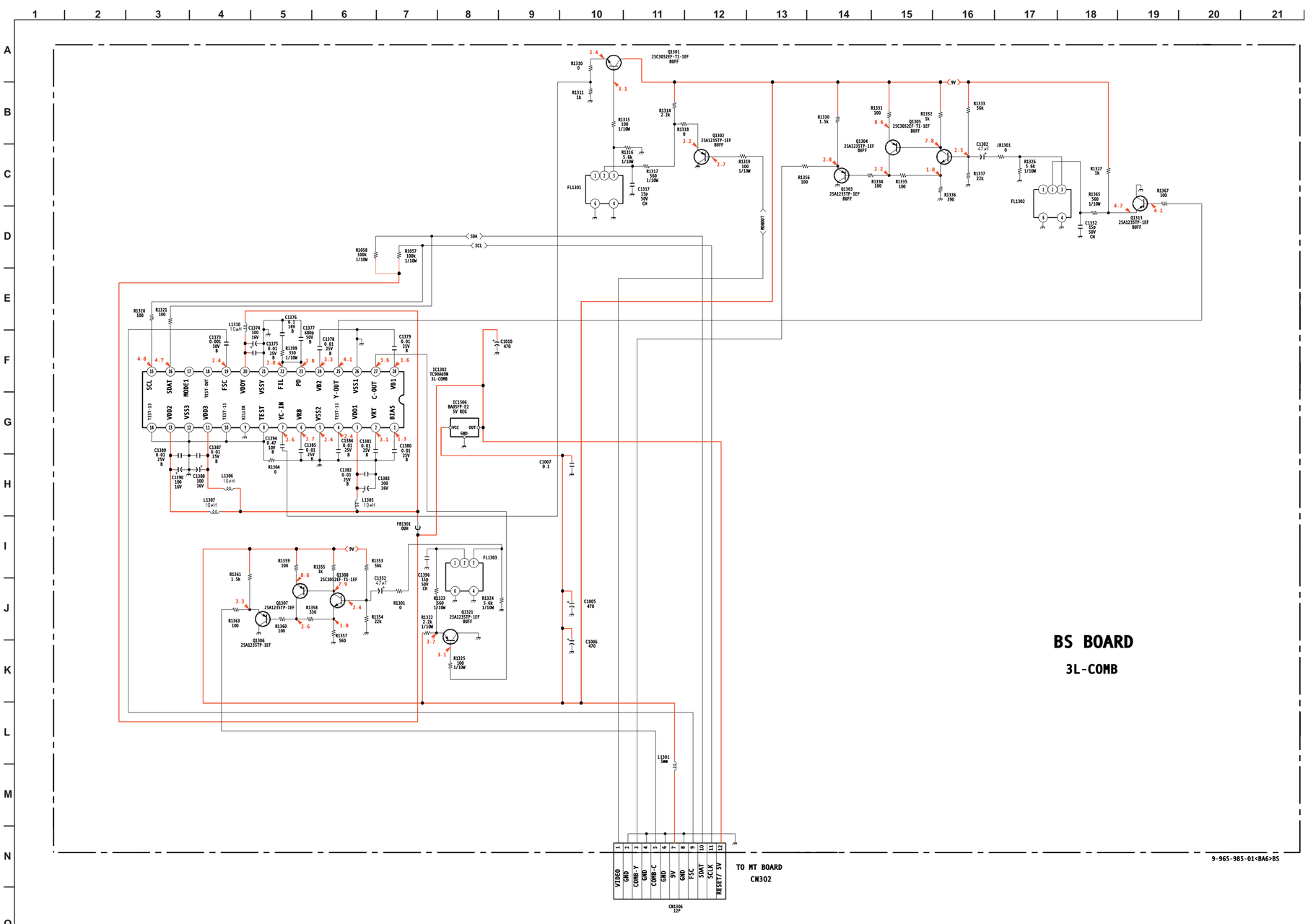
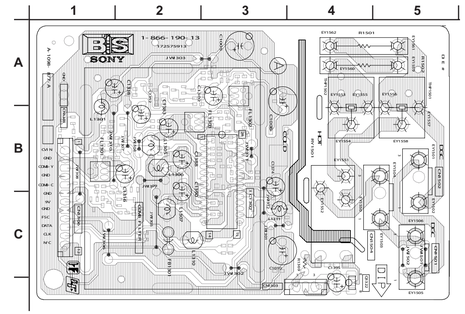


DIAGRAMA ESQUEMATICO DA PLACA BS (SOMENTE PARA KV-29FS110)



BS [3-L COMB]

LADO DE COMPONENTE (SOMENTE PARA KV-29FS110)



BS [3-L COMB]

LADO DE CONDUTOR (SOMENTE PARA KV-29FS110)

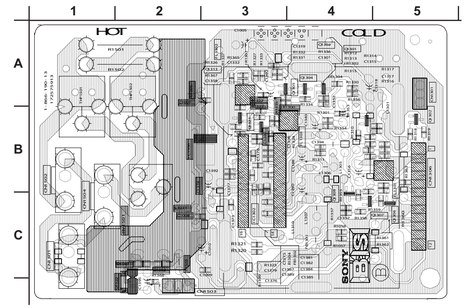
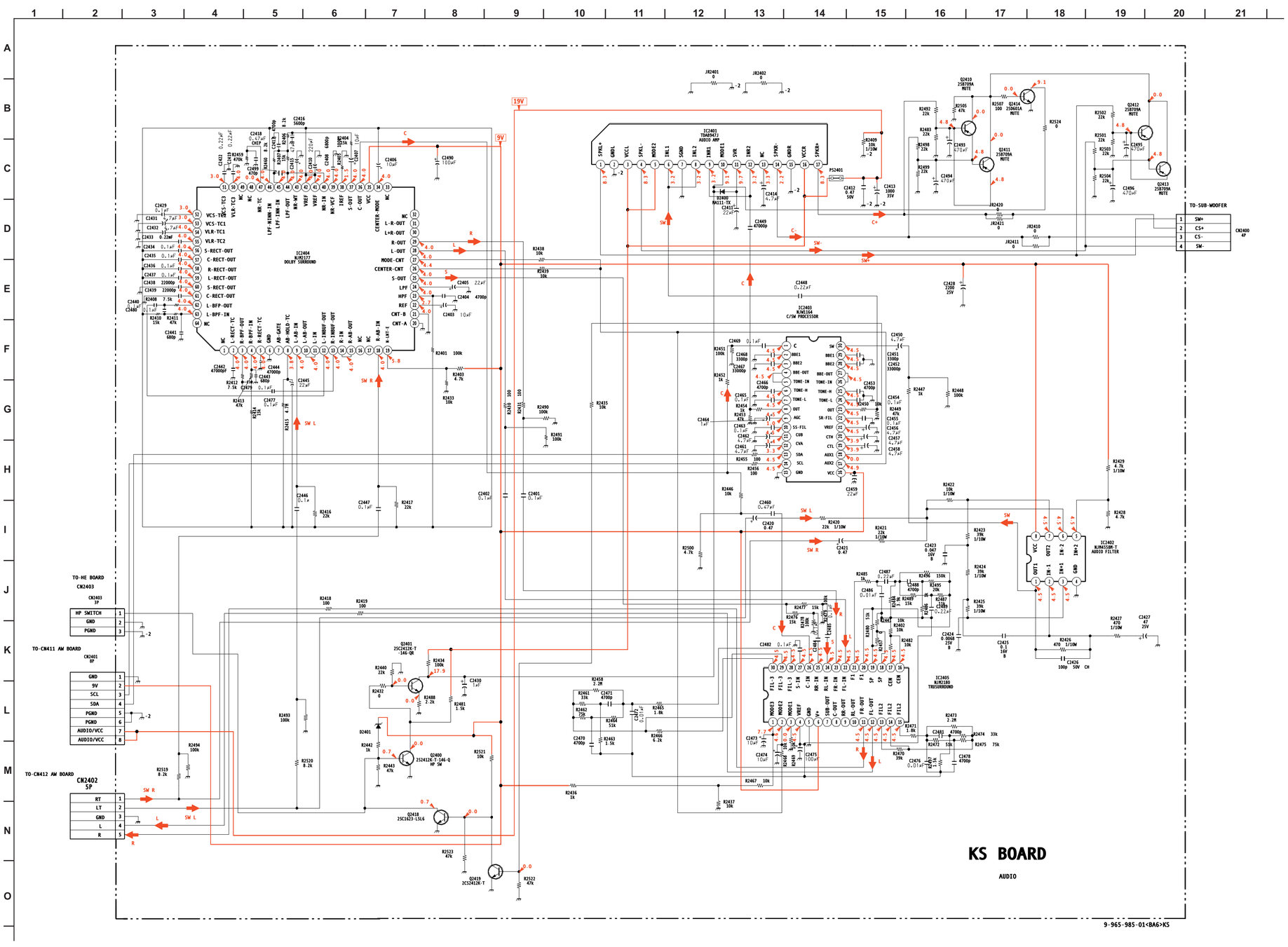
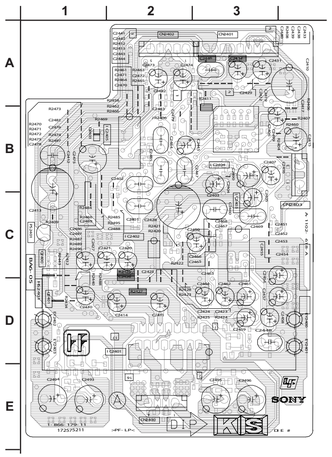


DIAGRAMA ESQUEMATICO DA PLACA KS (SOMENTE PARA KV-21FA310)



KS [AUDIO]

LADO DE COMPONENTE (SOMENTE PARA KV-21FA310)



KS [AUDIO]

LADO DE CONDUTOR (SOMENTE PARA KV-21FA310)

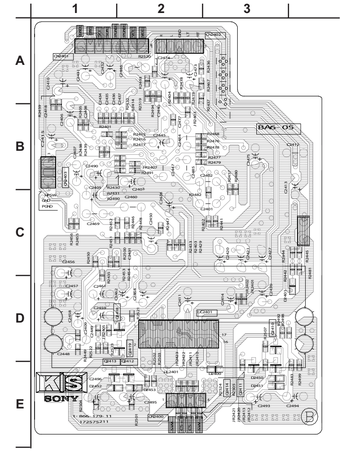
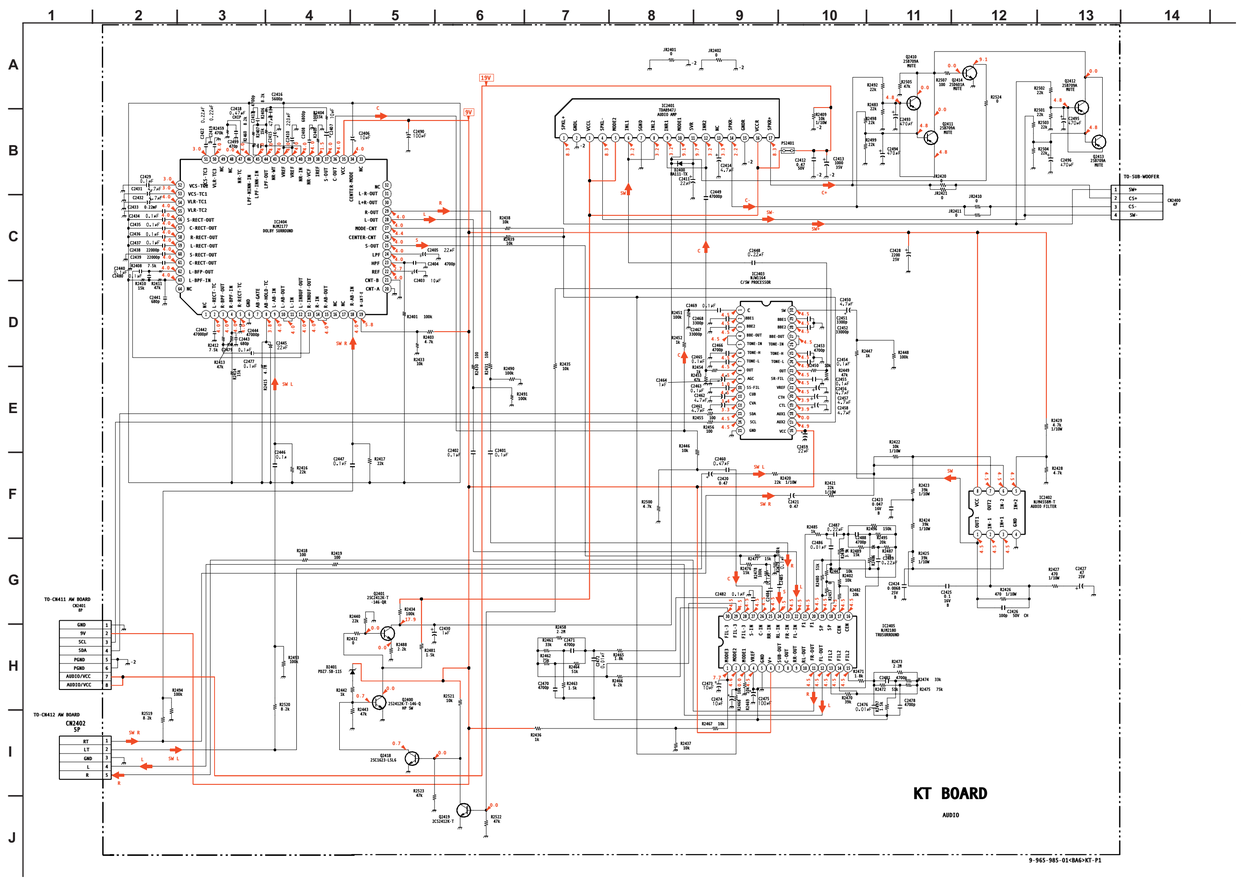


DIAGRAMA ESQUEMATICO DA PLACA KT (1 DE 2) (SOMENTE PARA KV-29FA310)



KT [AUDIO. 3L-COMB]

LADO DE COMPONENTE (SOMENTE PARA KV-29FA310)

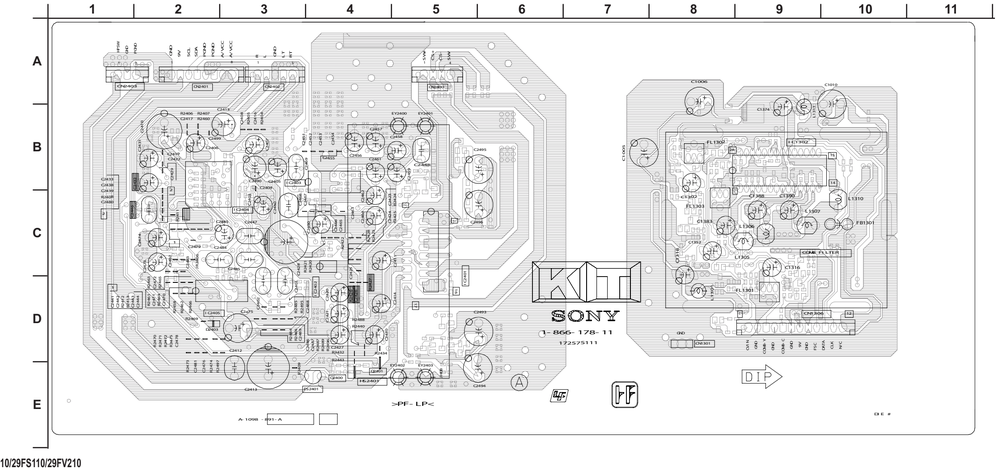
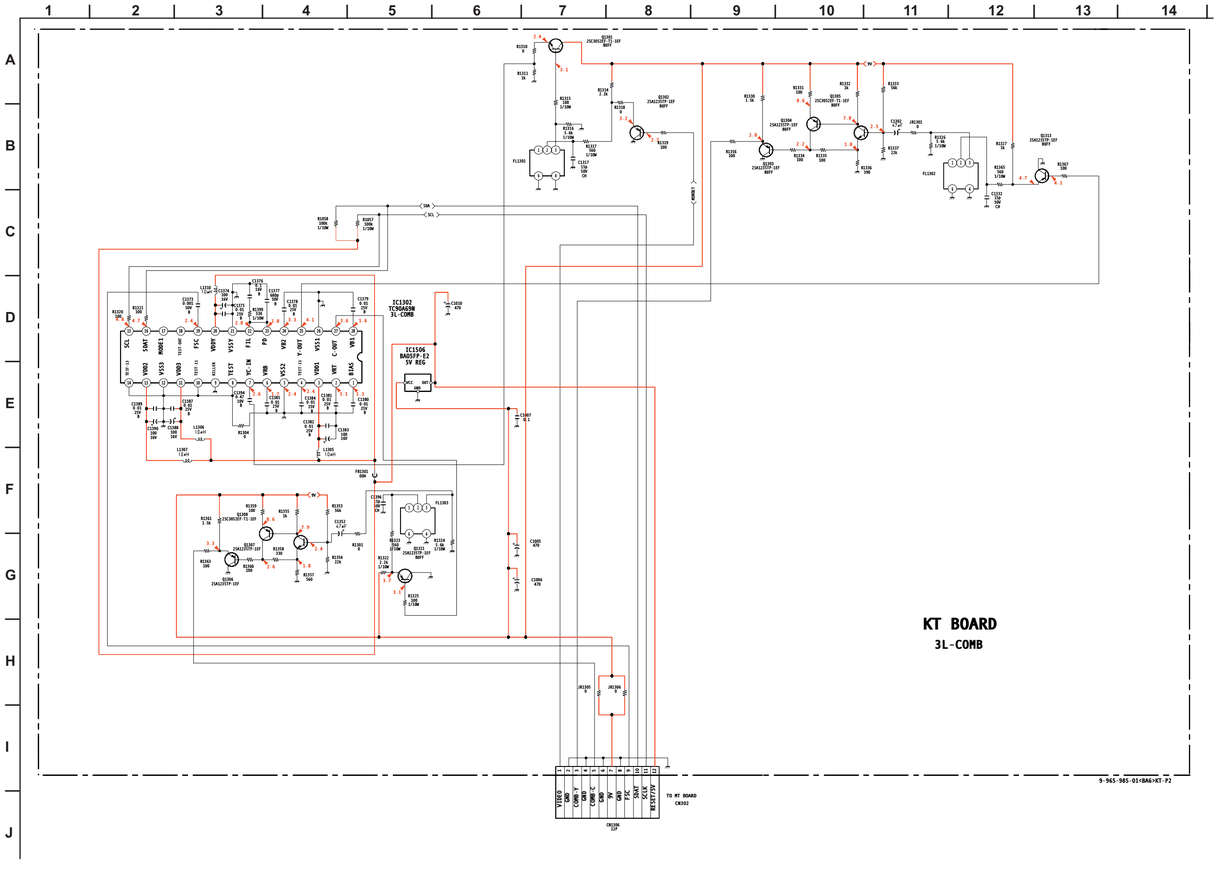


DIAGRAMA ESQUEMATICO DA PLACA KT (2 DE 2) (SOMENTE PARA KV-29FA310)



KT [AUDIO. 3L-COMB]

LADO DE CONDUTOR (SOMENTE PARA KV-29FA310)

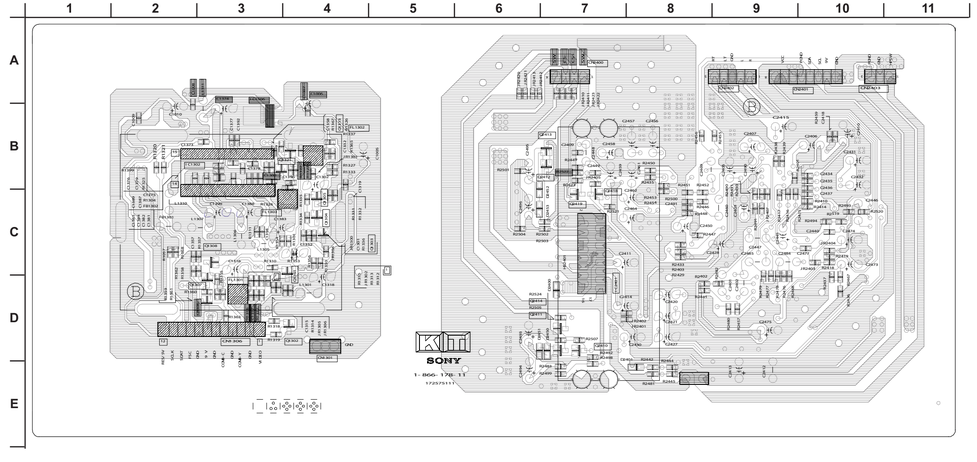


DIAGRAMA ESQUEMATICO DA PLACA TW (1 DE 2) (SOMENTE PARA KV-29FV210)

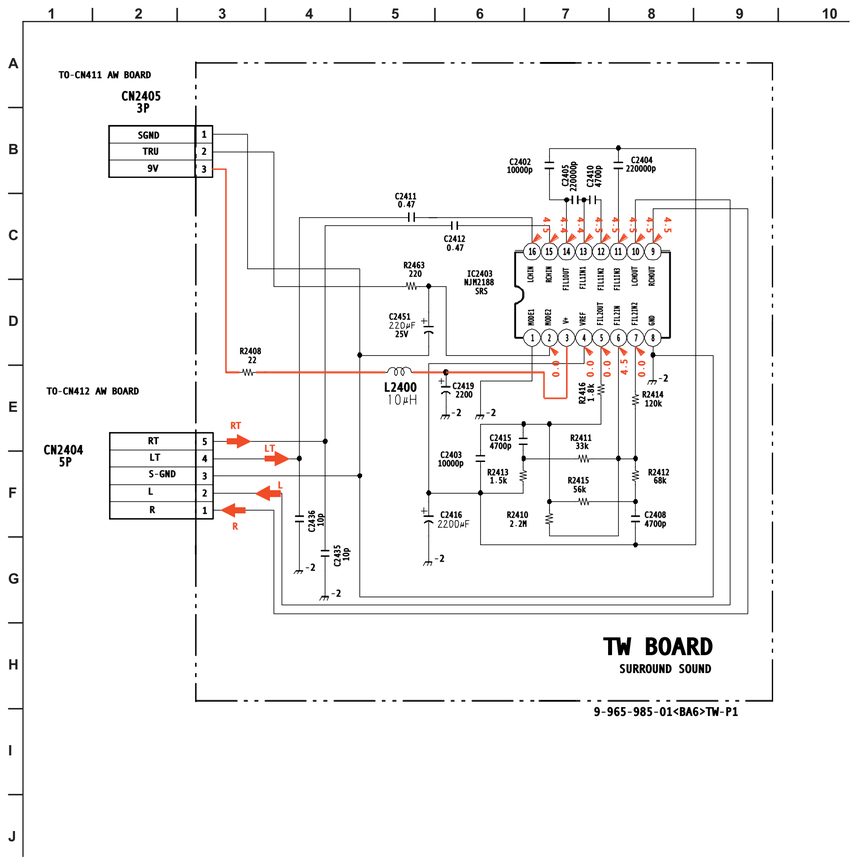
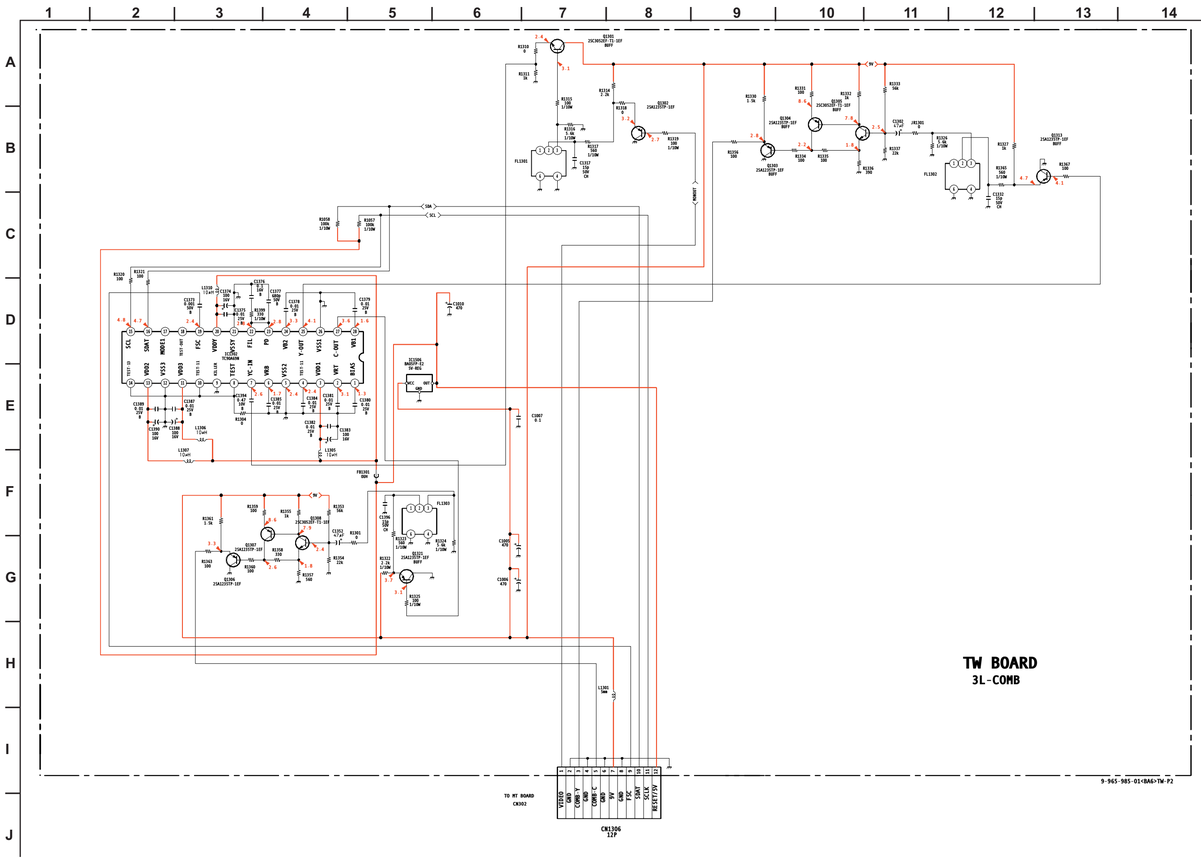
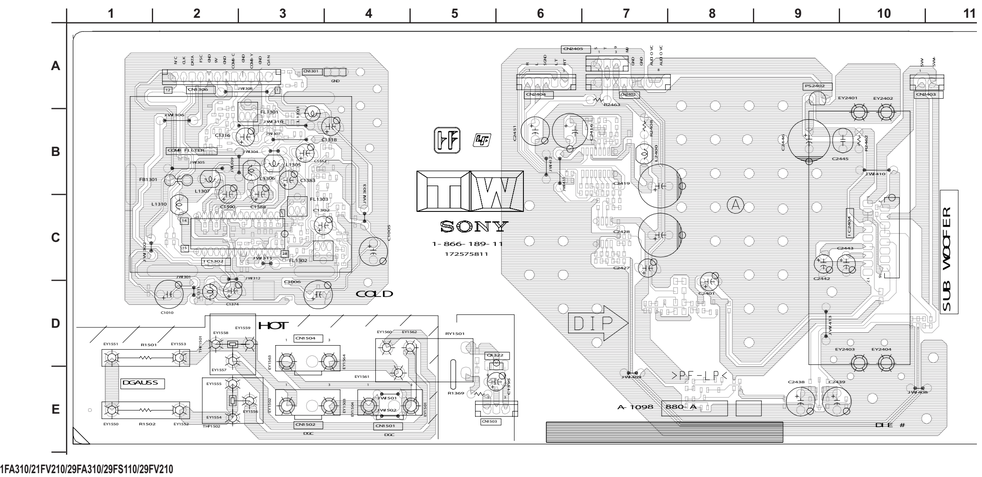


DIAGRAMA ESQUEMATICO DA PLACA TW (2 DE 2) (SOMENTE PARA KV-29FV210)



TW [SURROUND SOUND, 3-L COMB] LADO DE COMPONENTE (SOMENTE PARA KV-29FV210)



TW [SURROUND SOUND, 3-L COMB] LADO DE CONDUTOR (SOMENTE PARA KV-29FV210)

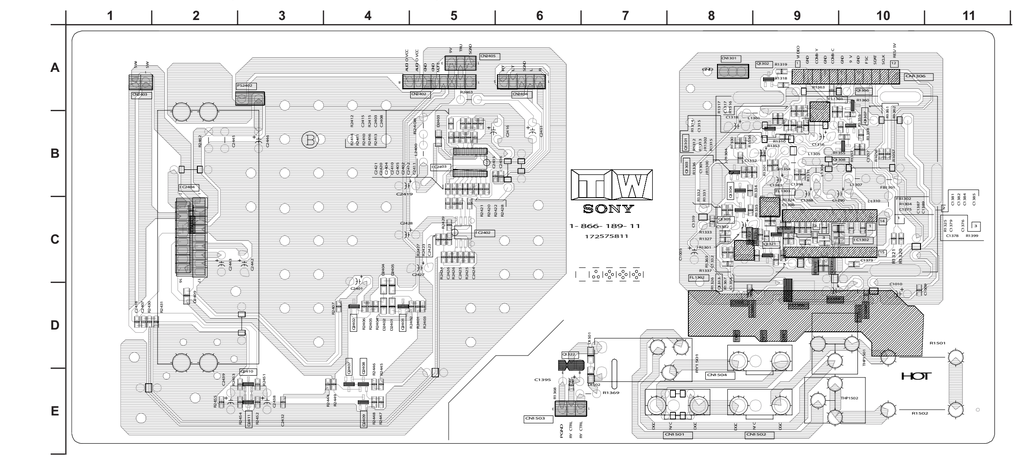
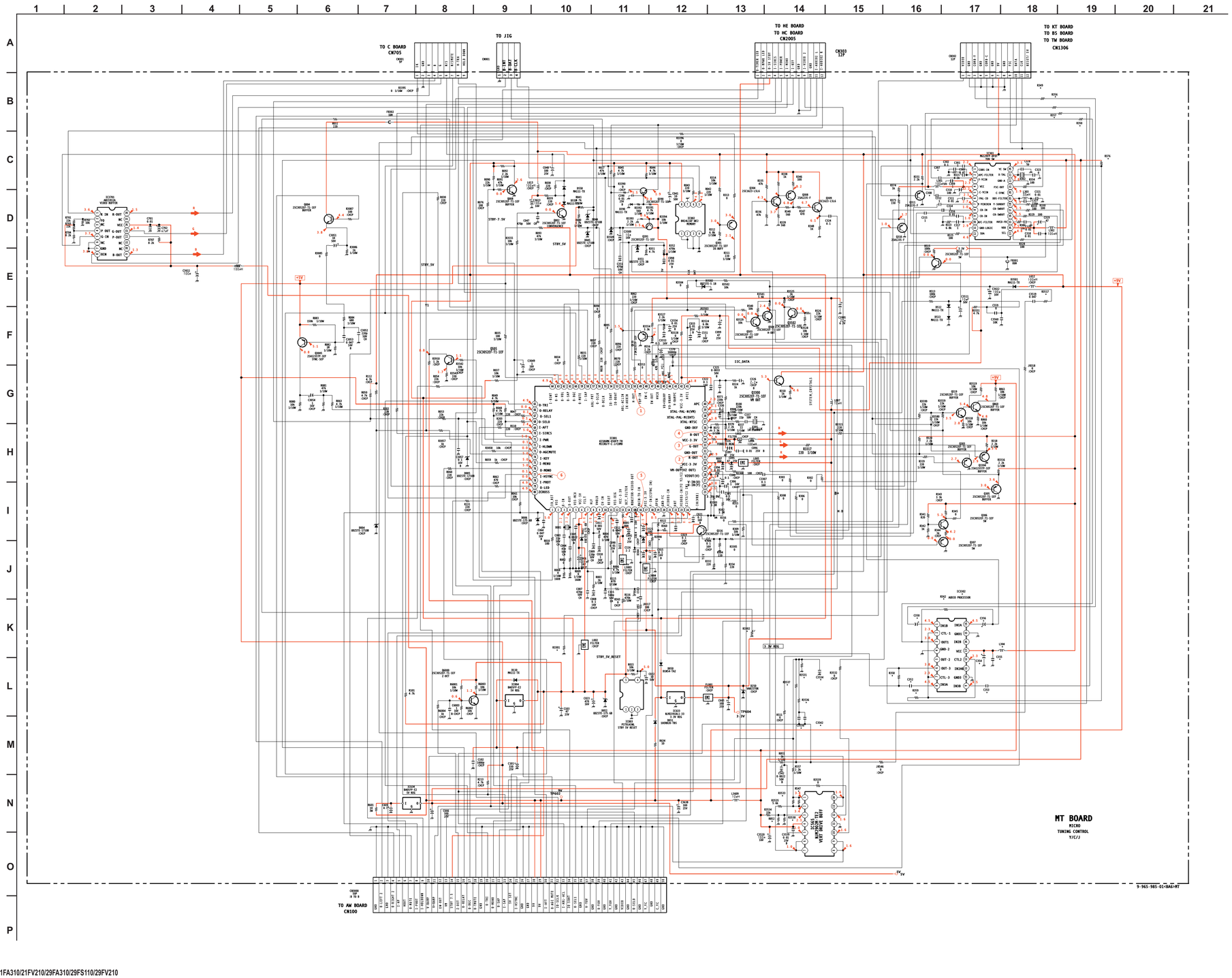


DIAGRAMA ESQUEMATICO DA PLACA MT

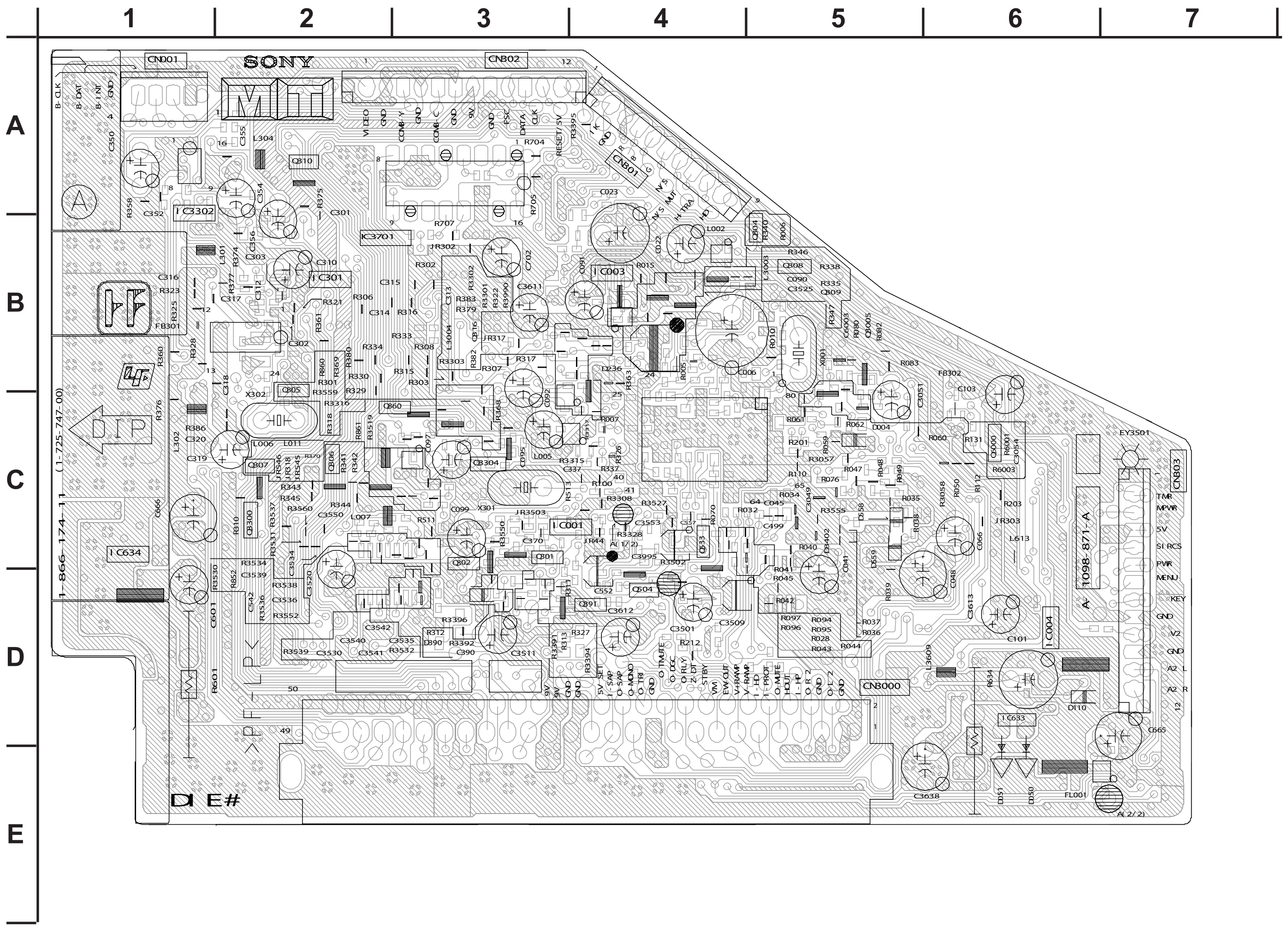


FORMAS DE ONDAS DA PLACA MT

1 3.2 Vp-p (H)	2 1.2 Vp-p (H)	3 0.9 Vp-p (H)
4 1.0 Vp-p (H)	5 1.0 Vp-p (V)	6 4.7 Vp-p (H)

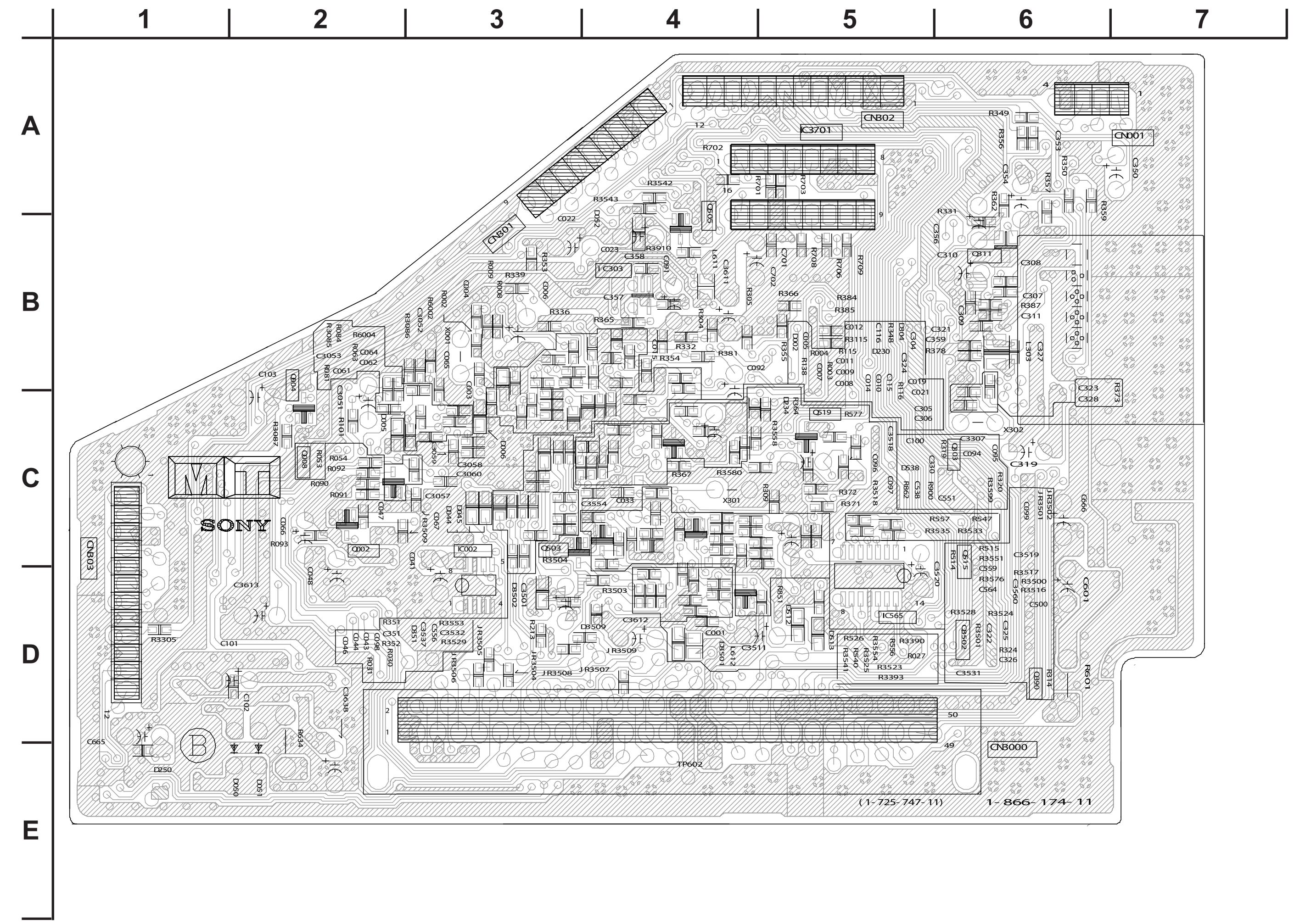
MT [MICRO, TUNING CONTROL, Y/C/J]

LADO DE COMPONENTE



MT [MICRO, TUNING CONTROL, Y/C/J]

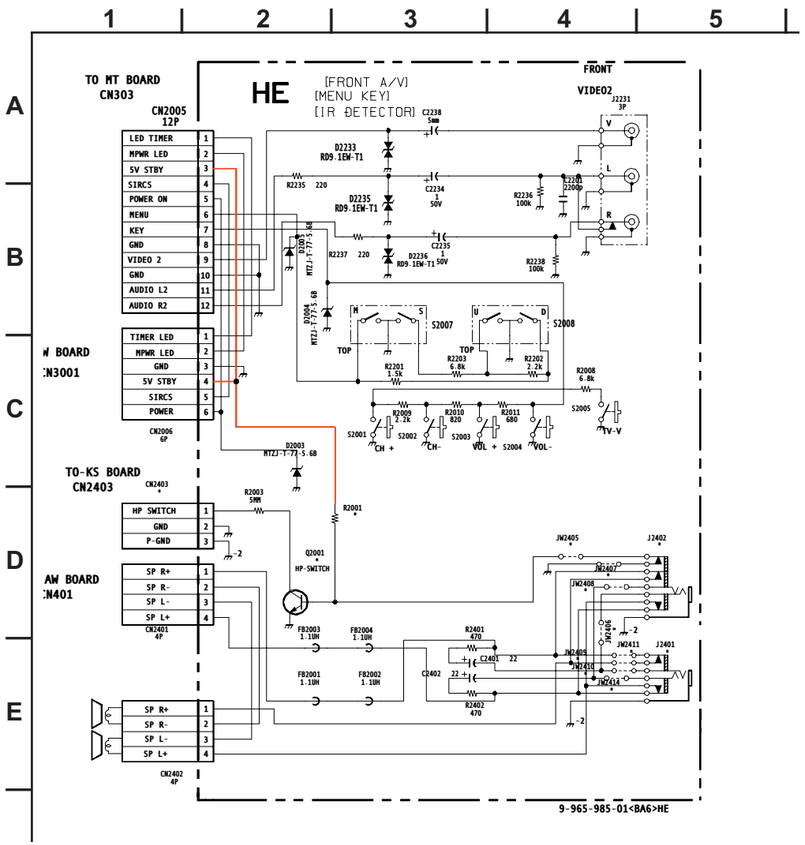
LADO DE CONDUTOR



MT BOARD LOCATOR LIST

DIODE			DIODE			IC			TRANSISTOR			TRANSISTOR			TRANSISTOR		
	COMP	COND	**D250**		E-1		COMP	COND		COMP	COND	**Q309**	B-5		**Q860**	C-3	
D002		B-5	**D304**		B-5	**IC001**	C-4		**Q002**		C-2	**Q310**	A-2		**Q3005**	B-5	
D004	C-5		**D351**		D-3	**IC002**		D-3	**Q004**		C-2	**Q316**	B-3		**Q3300**	C-2	
D005		C-2	**D390**	D-3		**IC003**	B-4		**Q008**		C-2	**Q390**		D-6	**Q3304**	C-3	
D006		C-3	**D512**		D-5	**IC004**	D-6		**Q301**	C-3		**Q391**	D-4		**Q3502**		D-6
D044		C-3	**D513**		D-5	**IC301**	B-2		**Q303**		C-6	**Q503**		C-3	**Q6000**	C-6	
D045		C-3	**D558**	C-5		**IC565**		D-5	**Q304**	B-4		**Q504**	D-4				
D050		E-1	**D559**	C-5		**IC633**	D-6		**Q305**	C-2		**Q505**		B-4			
D051		E-2	**D3501**		D-4	**IC634**	C-1		**Q306**	C-2		**Q515**		D-6			
D052		B-4	**D3502**		D-3	**IC3302**	A-1		**Q307**	C-2		**Q519**		C-5			
D110	D-6		**D3509**		D-4	**IC3701**		A-5	**Q308**	B-5		**Q533**	D-4				

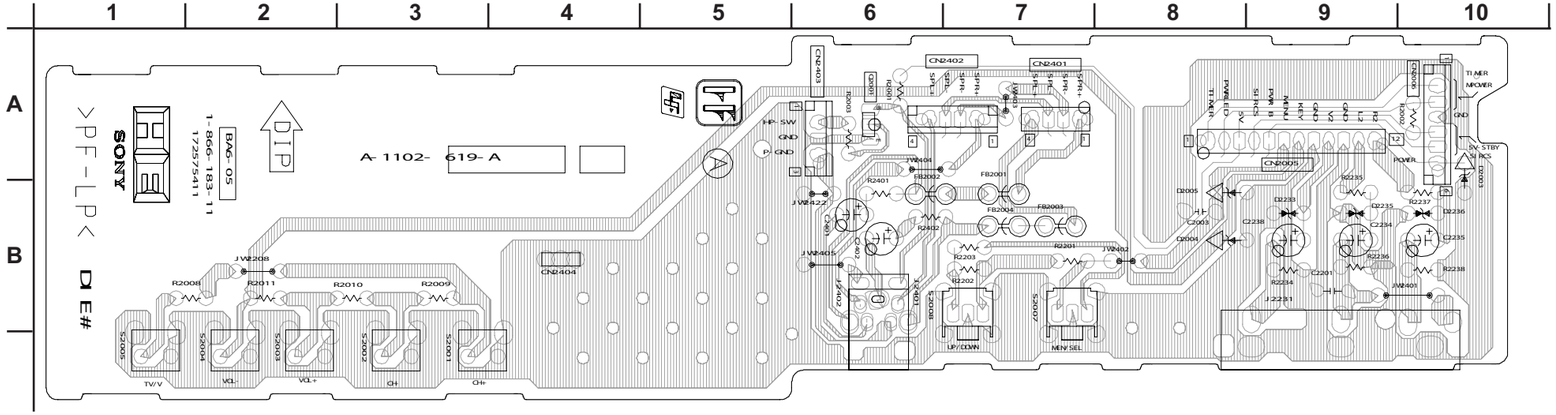
DIAGRAMA ESQUEMATICO DA PLACA HE (KV-21FA310/21FV210 ONLY)



HE

[FRONT A/V, MENU KEY, IR DETECTOR]

LADO DE COMPONENTE (SOMENTE PARA KV-21FA310/21FV210)



HE

[FRONT A/V, MENU KEY, IR DETECTOR]

LADO DE CONDUTOR (SOMENTE PARA KV-21FA310/21FV210)

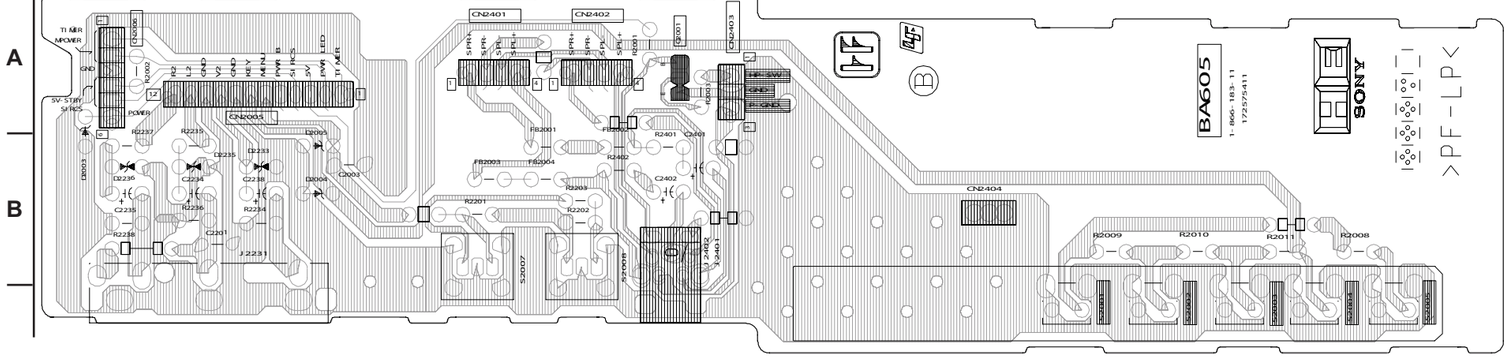
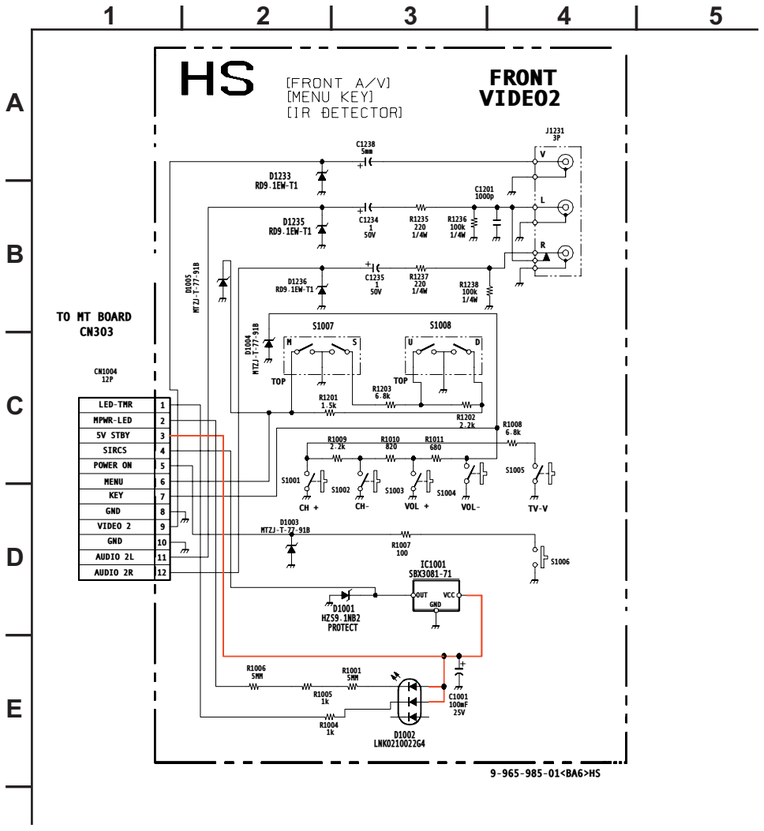


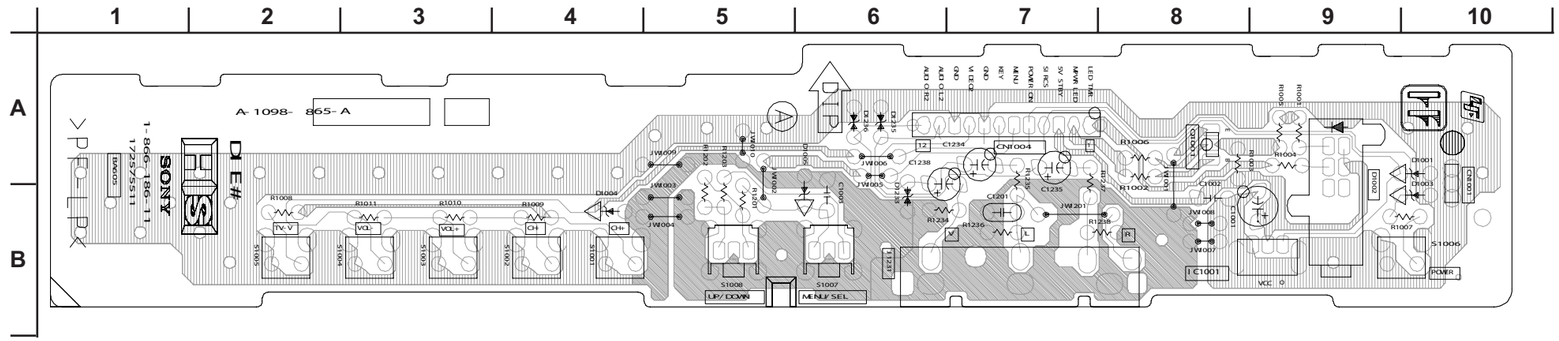
DIAGRAMA ESQUEMATICO DA PLACA HS (SOMENTE PARA KV-29FS110)



HS

[FRONT A/V, MENU KEY, IR DETECTOR]

LADO DE COMPONENTE (SOMENTE PARA KV-29FS110)



HS

[FRONT A/V, MENU KEY, IR DETECTOR]

LADO DE CONDUTOR (SOMENTE PARA KV-29FS110)

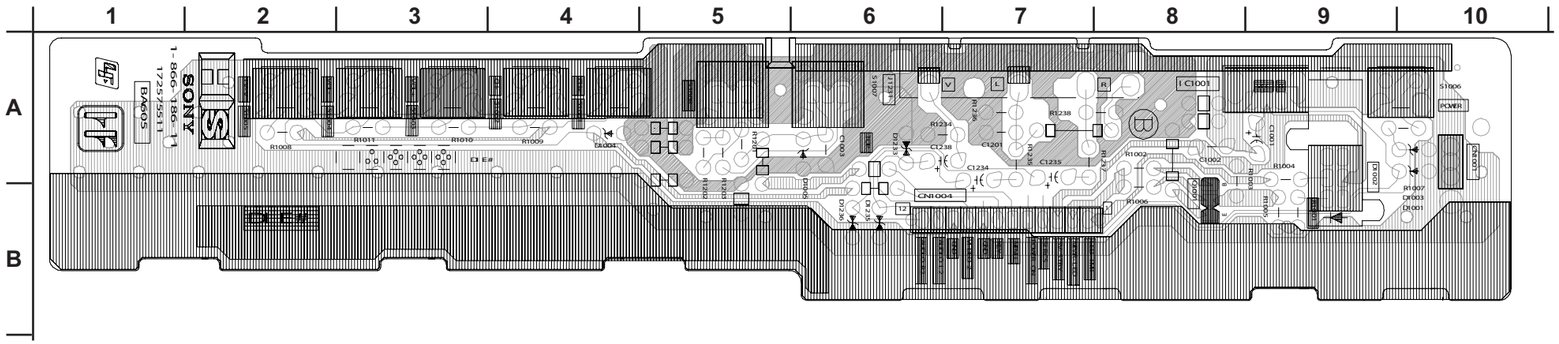
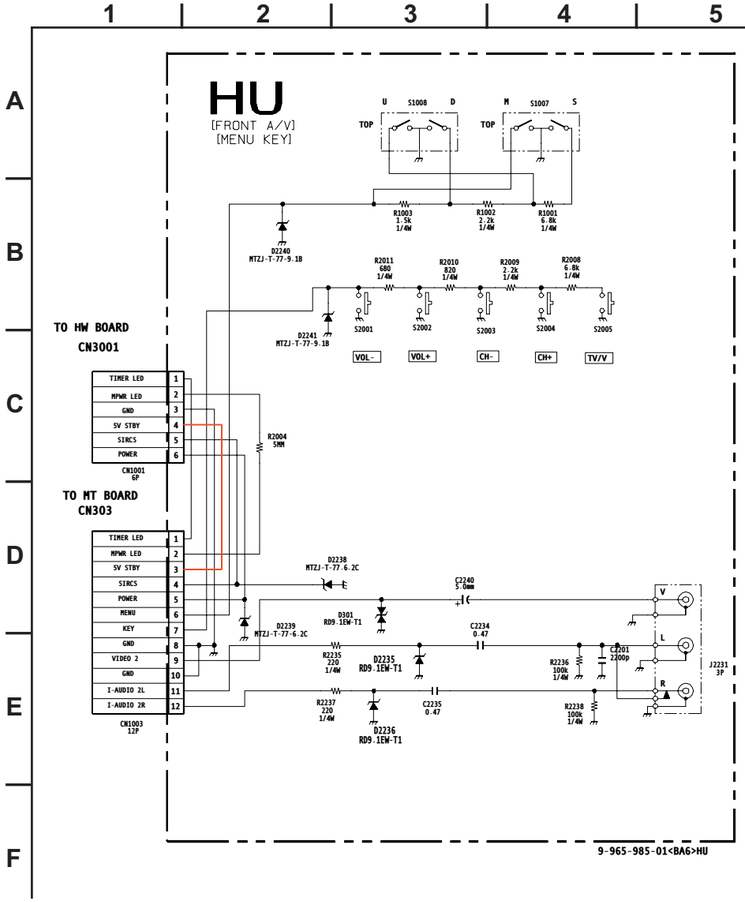
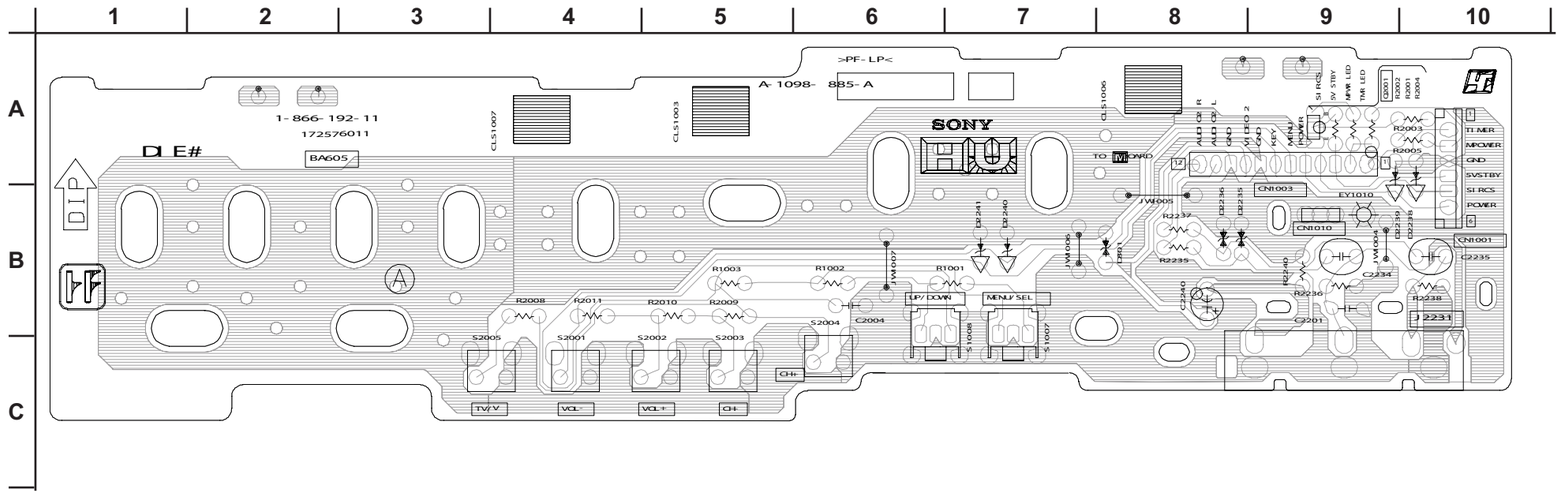


DIAGRAMA ESQUEMATICO DA PLACA HU (SOMENTE PARA KV-29FA310/29FV210)



HU [FRONT A/V, MENU KEY]
LADO DE COMPONENTE (SOMENTE PARA KV-29FA310/29FV210)



HU [FRONT A/V, MENU KEY]
LADO DE CONDUTOR (SOMENTE PARA KV-29FA310/29FV210)

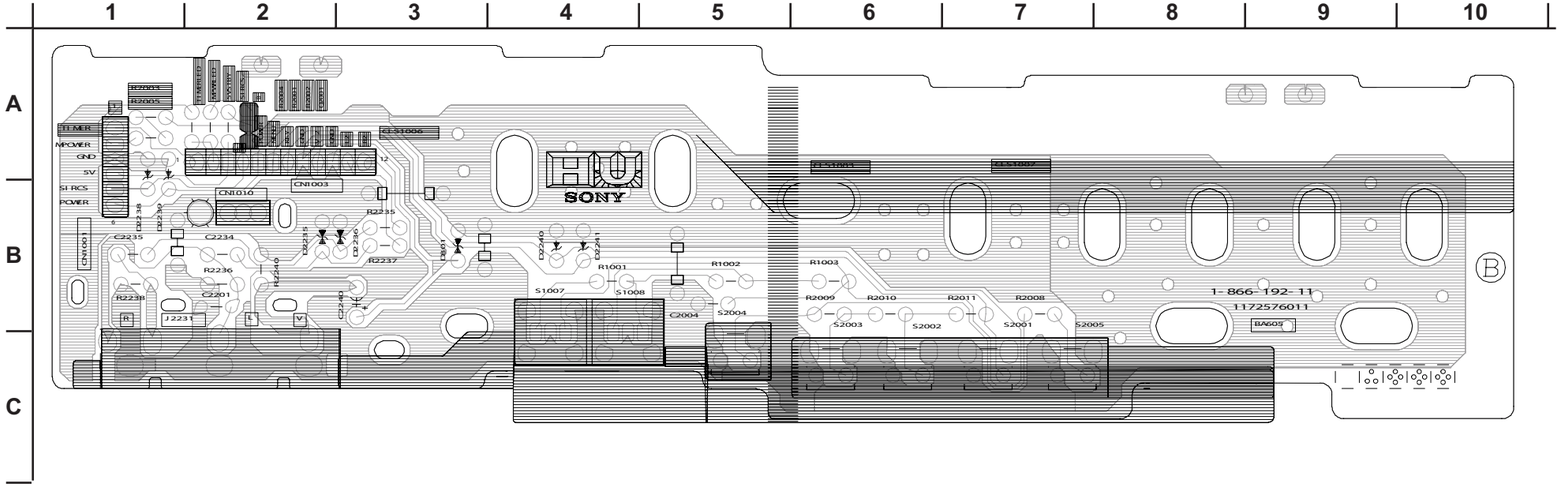
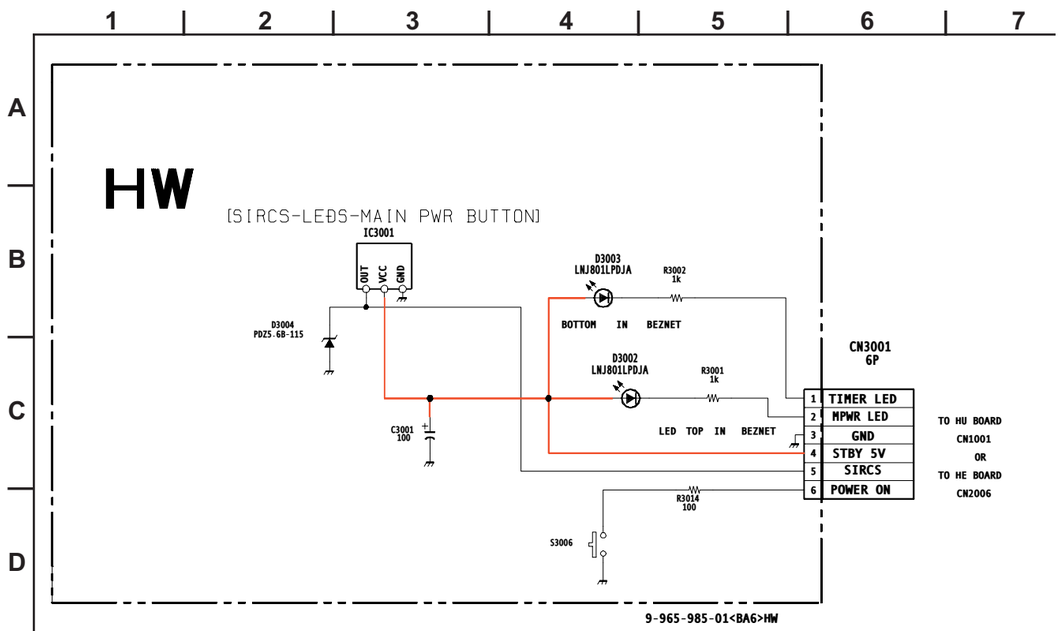
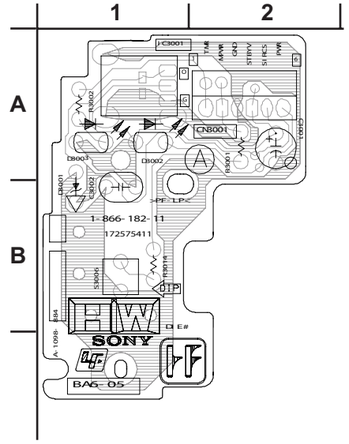


DIAGRAMA ESQUEMATICO DA PLACA HW (TODOS EXCETO KV-29FS110)



HW [SIRCS, LEDS, MAIN POWER BUTTON]

LADO DE COMPONENTE (TODOS EXCETO KV-29FS110)



HW [SIRCS, LEDS, MAIN POWER BUTTON]

LADO DE CONDUTOR (TODOS EXCETO KV-29FS110)

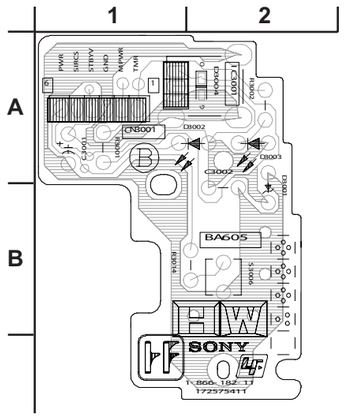
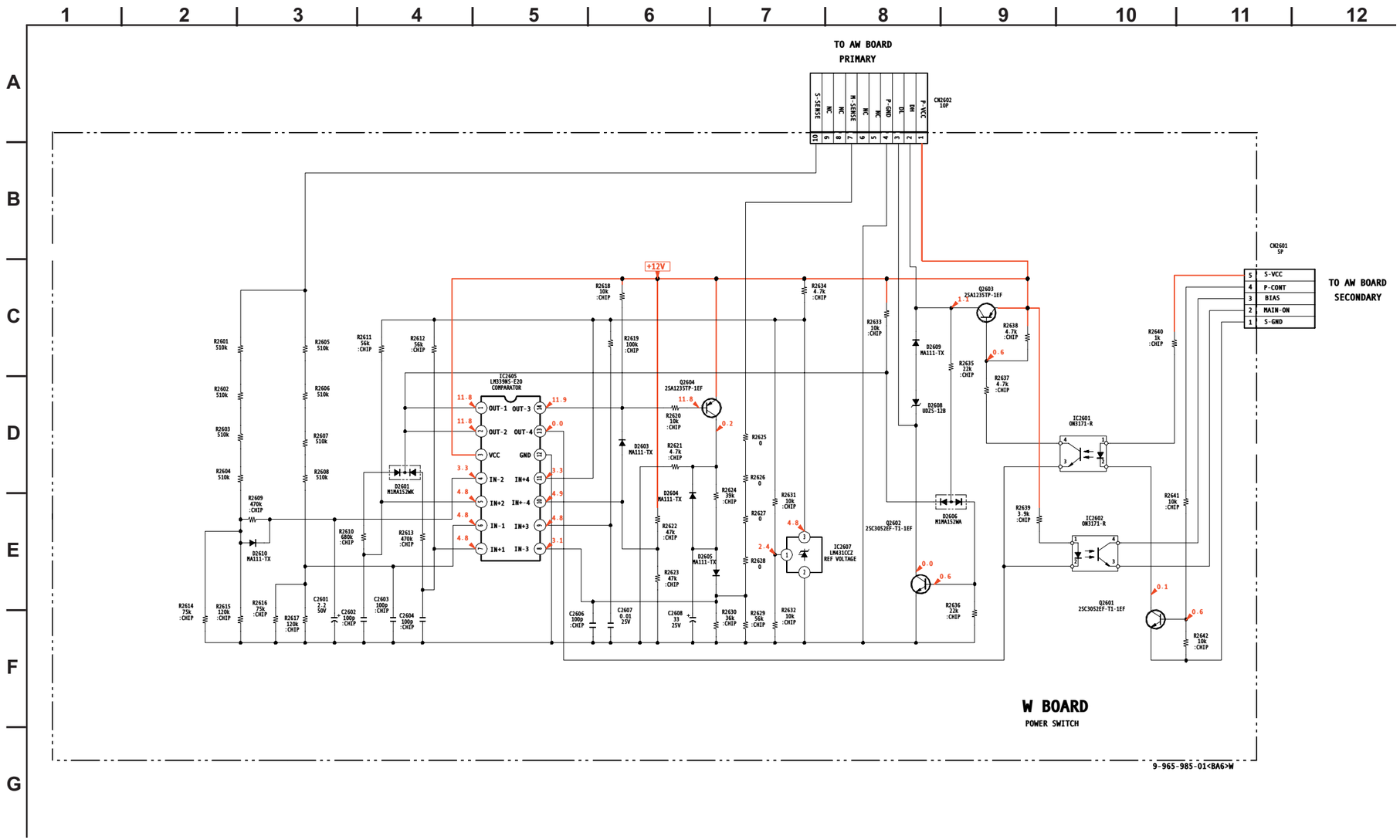
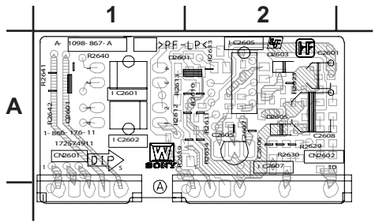


DIAGRAMA ESQUEMATICO DA PLACA W



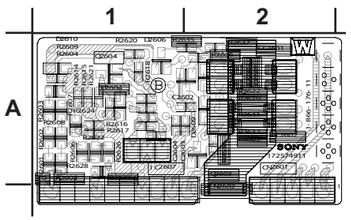
W [POWER SWITCH]

LADO DE COMPONENTE



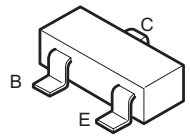
W [POWER SWITCH]

LADO DE CONDUTOR

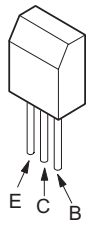


5-4. SEMICONDUTORES

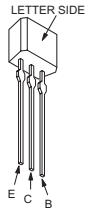
2SB709A-QRS-TX
2SD601A-QRS-TX



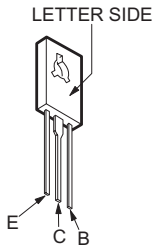
2SB734-T-34
2SC3209LK-TP



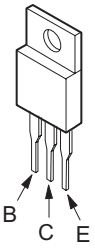
2SA1309A-QRSTA
2SC3311A-QRSTA
2SD2144S-TP-UVW



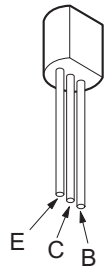
2SC3840K



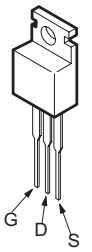
2SA1837



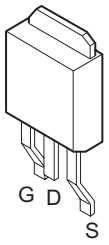
2SA1091O-TPE2



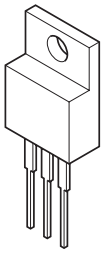
IRF614



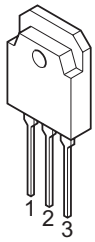
2SK2663



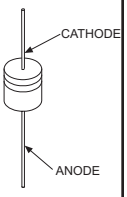
2SC4793



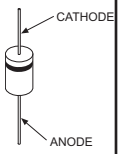
2SD2578-YB



ERA38-06TP1
ERA82-004TP5
1SS133T-77
D1NS0R-TA
MTZJ-T-77-12C
MTZJ-T-77-15B
MTZJ-T-77-33B
MTZJ-T-77-39



RU-1P
ERC06-15S
EGP20DPKG23
MTZJ-T-77-5.1C
MTZJ-T-77-5.6C
MTZJ-T-77-7.5A
MTZJ-T-77-10B
MTZJ-T-77-30D
RGP10-GPKG3
RGP02-17PKG23
RGP15GPKG23



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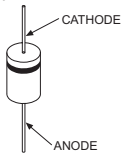
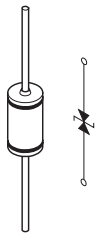
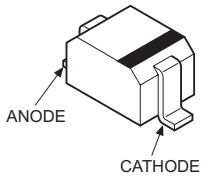
GP08DPKG23
RGP10GPKG23
RU4AM-T3



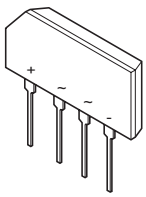
RD9.1EW-T1



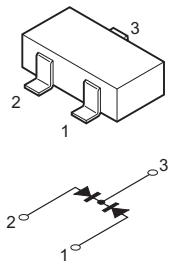
MA111-TX
UDZ-TE-17.5.1B
UDZ-TE-17.91B



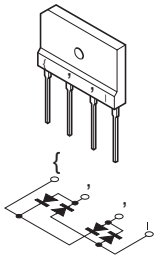
D2SB60A-F04



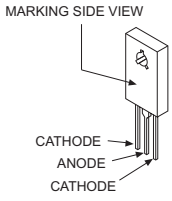
DAP202K-T-146



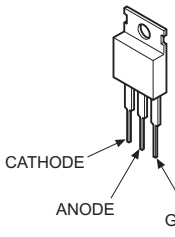
D4SB60L-F



D5LC20U



TF541M



SEÇÃO 6: VISTA EXPLODIDA

Os componentes não identificados com o código da peça ou descrição não são estocadas por motivo de serem raramente utilizadas para rotina de serviço.

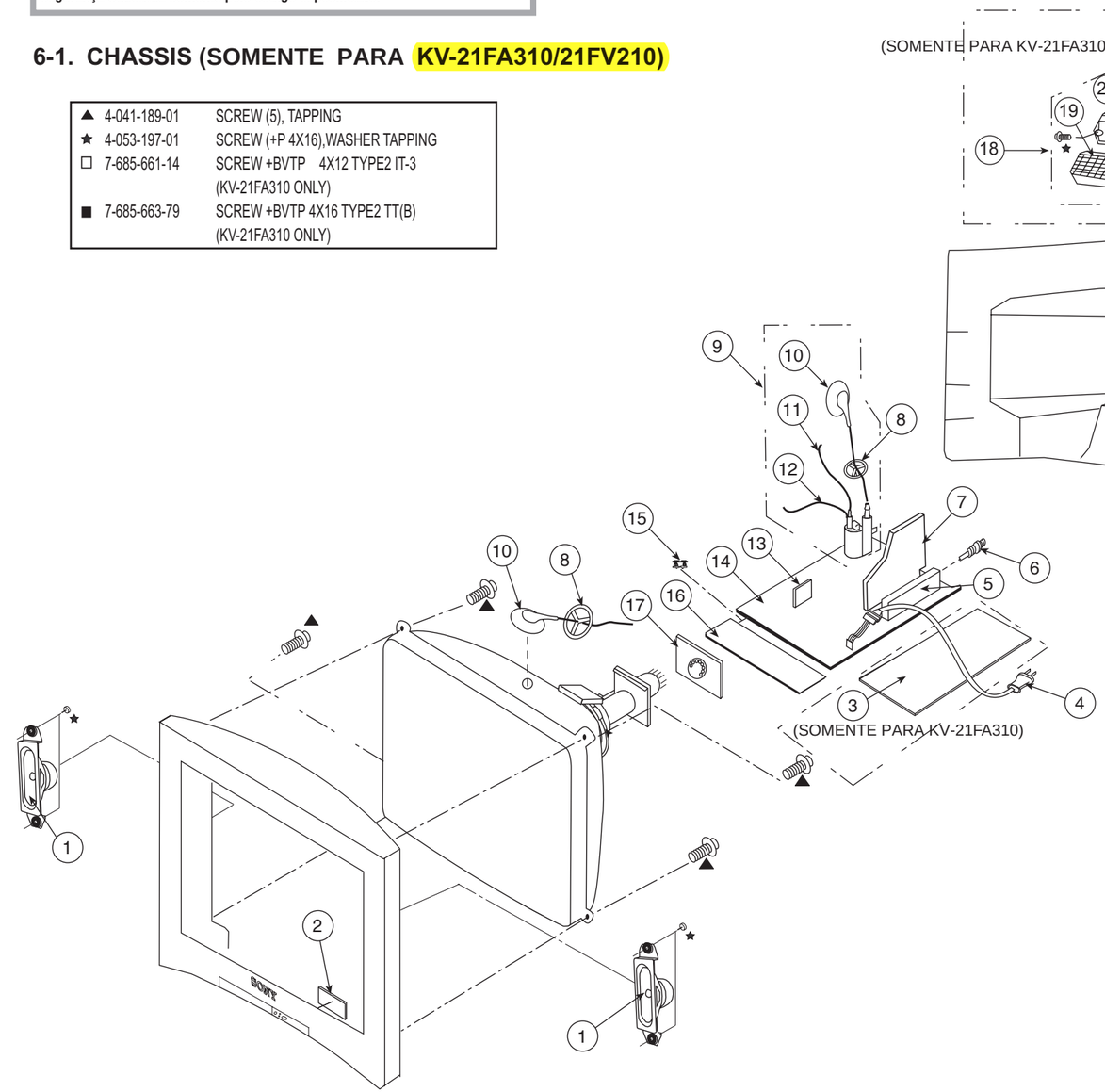
As peças pertencentes ao conjunto montado são citados na coluna INCLUSO NA MONTAGEM

*** Items marcados com asteríscos não são estocados por não serem solicitados na rotina de serviço,. Assim para evitar atrasos antecipe o pedido caso venha a necessitar deste item..**

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança segurança Substitua somente pelo código especificado.

6-1. CHASSIS (SOMENTE PARA KV-21FA310/21FV210)

▲	4-041-189-01	SCREW (5), TAPPING
★	4-053-197-01	SCREW (+P 4X16),WASHER TAPPING
□	7-685-661-14	SCREW +BVTP 4X12 TYPE2 IT-3 (KV-21FA310 ONLY)
■	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B) (KV-21FA310 ONLY)



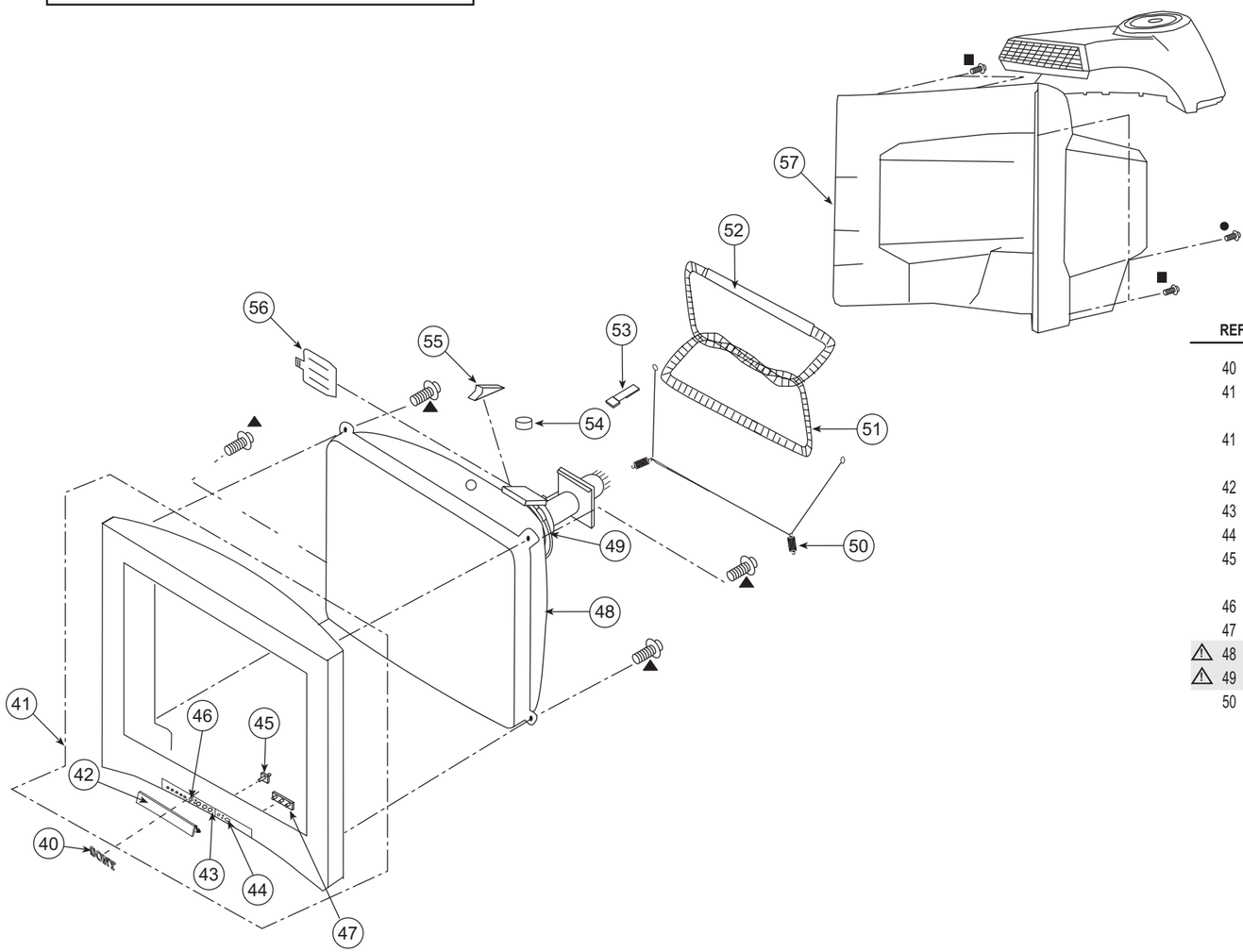
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	1-825-808-11	ALTO FALANTE (19.2X4.2CM) (SOMENTE PARA KV-21FA310)	
1	1-826-192-11	ALTO FALANTE (19.2X4.2CM) (SOMENTE PARA KV-21FV210)	
2	A-1108-299-A	PLACA HW (VAR) MONTADA	
3	Y-8284-837-A	PLACA KS MONTADA (SOMENTE PARA KV-21FA310)	
⚠ 4	1-830-475-11	CABO DE FORÇA	
⚠ 5	8-598-593-70	SINTONIZADOR, FSS BTF-WA421	
⚠ 6	1-766-374-11	PLUG, F-PIN	
7	Y-8284-841-A	PLACA MT (VAR) MONTADA (SOMENTE PARA KV-21FA310)	
7	Y-8283-863-A	PLACA MT (VAR) MONTADA (SOMENTE PARA KV-21FV210)	
* 8	4-081-980-11	PRENDEDOR DO CABO AC	
⚠ 9	1-453-316-21	FBT MONTADO NX-1748//X4A4	[10-12]
⚠ 10	1-251-642-52	CHUPETA DE ALTA TENSÃO	
⚠ 11	1-900-800-65	CONECTOR DO FOCUS, CABO	
⚠ 12	1-900-803-22	CONECTOR DO G2 , CABO	
13	Y-8284-835-A	PLACA W MONTADA	
14	Y-8284-833-A	PLACA AW MONTADA (SOMENTE PARA KV-21FA310)	
		Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluídos e devem ser ser solicitados separadamente. (Ver 10-12)	
14	Y-8284-861-A	PLACA AW MONTADA (SOMENTE PARA KV-21FV210)	
		Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluídos e devem ser ser solicitados separadamente. (See 10-12)	

REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
* 15	3-696-606-02	PRENDEDOR PLÁSTICO COM TRAVA	
16	A-1102-621-A	PLACA HE (VAR) MONTADA (SOMENTE PARA KV-21FA310)	
16	A-1102-620-A	PLACA HE (VAR) MONTADA (SOMENTE PARA KV-21FV210)	
17	A-1108-298-A	PLACA CV (VAR) MONTADA	
* 18	A-1107-984-A	CAIXA ACÚSTICA MONTADA (21) (SOMENTE PARA KV-21FA310)	[19-25]
* 19	4-101-825-01	TELA CENTRAL (W21) (SOMENTE PARA KV-21FA310)	
20	1-825-809-11	ALTO FALANTE (19.2X4.2CM) (SOMENTE PARA KV-21FA310)	
21	1-825-807-11	ALTO FALANTE (13CM) (SOMENTE PARA KV-21FA310)	
* 22	4-101-822-01	TAMPA SUPERIOR (W21) (SOMENTE PARA KV-21FA310)	
* 23	4-101-823-02	TAMPA INFERIOR (W21) (SOMENTE PARA KV-21FA310)	
* 24	1-828-903-11	CABO CONECTOR (SOMENTE PARA KV-21FA310)	
* 25	4-068-528-42	PÉ (SOMENTE PARA KV-21FA310)	

**NOTE: The components identified by shading and ⚠ mark are critical for safety.
Replace only with part number specified.**

6-2. TUBO DE IMAGEM (SOMENTE PARA KV-21FA310/21FV210)

▲	4-041-189-01	SCREW (5), TAPPING
●	4-041-182-01	SCREW (+BVTP) (3X12), TAPPING
■	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B)



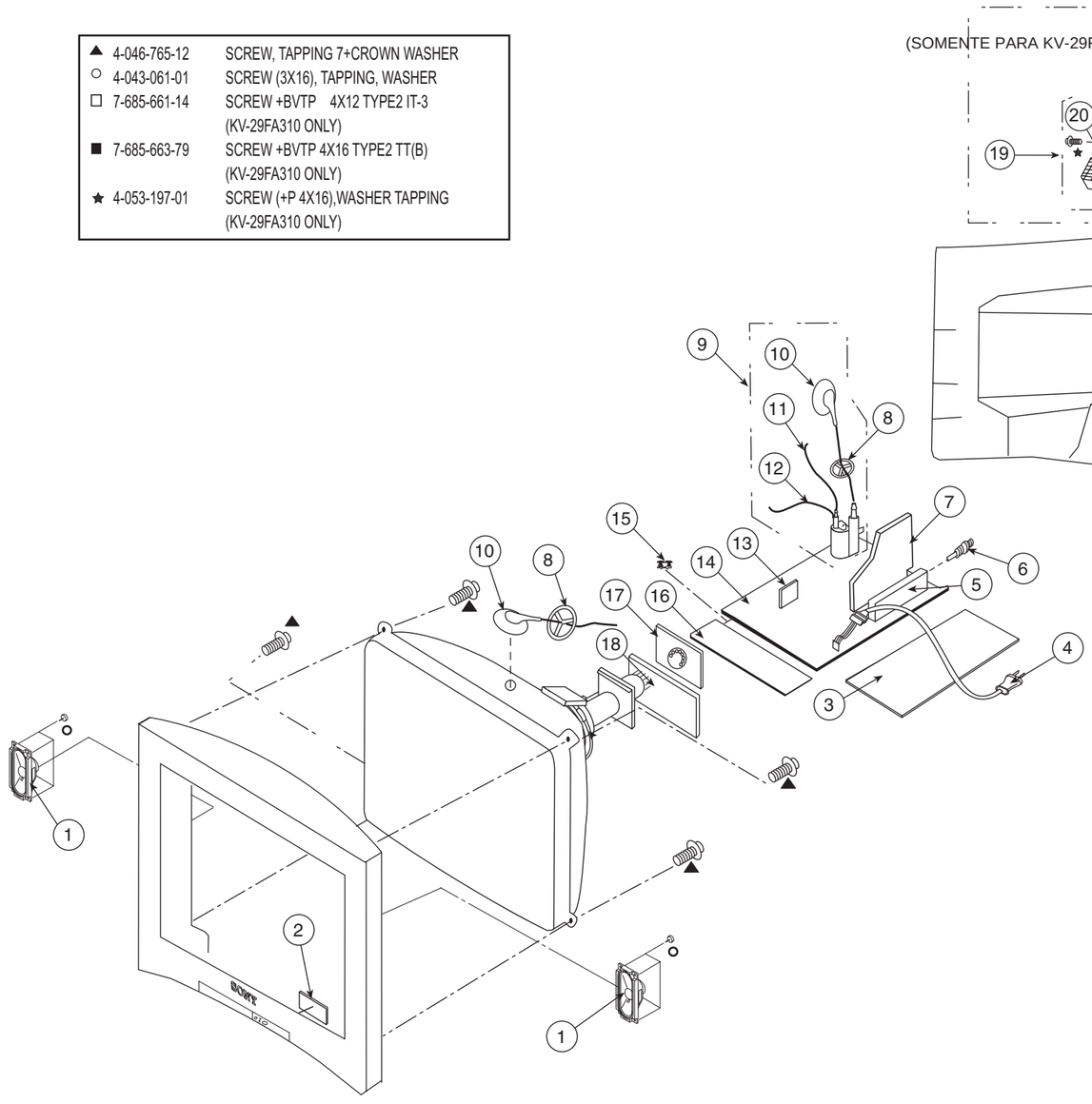
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
40	4-046-161-21	EMBLEMA, SONY NO.8	
41	X-2050-957-1	GABINETE MONTADO	[42-46]
		(SOMENTE PARAKV-21FA310)	[42-46]
41	X-2050-959-1	GABINETE MONTADO	
		(SOMENTE PARAKV-21FV210)	
42	4-087-155-31	PORTA, CONTROLE	
43	4-074-895-61	ETIQUETA, TERMINAL FRONTAL (20)	
44	4-087-156-11	GUIA DE LUZ	
45	4-087-150-61	TECLA, POWER	
46	4-042-192-01	CATCHER, PUSH	
47	4-087-151-01	TECLA, MULTI	
⚠ 48	8-738-823-05	CRT 21RSN(FOR EQUATORIAL AREA) A51LPT**X	
⚠ 49	8-451-505-71	DY Y21RSA-V	
50	4-036-329-11	MOLA DE TENSÃO (B), TENSION	

REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
⚠ 51	1-419-287-21	BOBINA DESMAGNETIZADORA	
52	4-103-011-01	TUBO, DGC (C)	
53	4-083-414-01	CORRETOR DE CONVERGÊNCIA	
54	1-452-032-00	MAGNET,DISC	
55	4-031-319-01	ESPAÇADOR, DY	
56	4-057-714-01	MAGNETO DE CORREÇÃO, TLH	
57	2-588-409-01	TAMPA TRASEIRA (21)	
		(SOMENTE PARAKV-21FA310)	
57	2-588-409-11	TAMPA TRASEIRA (21)	
		(SOMENTE PARAKV-21FV210)	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

6-3. CHASSIS (SOMENTE PARA KV-29FA310/29FV210)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
○	4-043-061-01	SCREW (3X16), TAPPING, WASHER
□	7-685-661-14	SCREW +BVTP 4X12 TYPE2 IT-3 (KV-29FA310 ONLY)
■	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B) (KV-29FA310 ONLY)
★	4-053-197-01	SCREW (+P 4X16),WASHER TAPPING (KV-29FA310 ONLY)



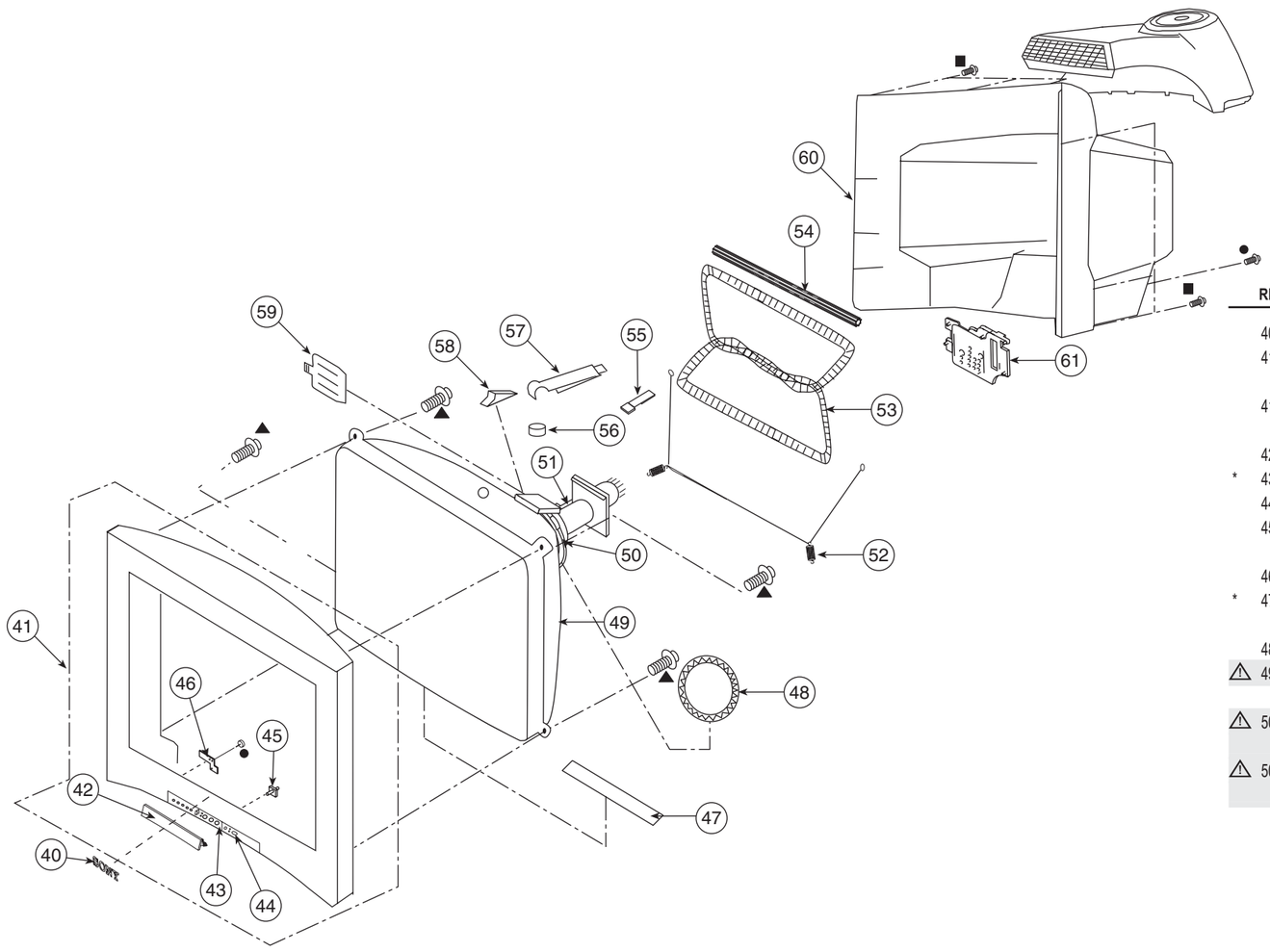
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
1	1-825-417-21	ALTO FALANTE (6X12CM) (SOMENTE PARA KV-29FA310)	
1	1-825-513-11	ALTO FALANTE (6X12CM) (SOMENTE PARA KV-29FV210)	
2	A-1108-300-A	PLACA HW (VAR) MONTADA	
3	Y-8284-847-A	PLACA KT MONTADA (SOMENTE PARA KV29 FA310)	
3	Y-8285-024-A	PLACA TW (COM) MONTADA (SOMENTE PARA KV-29FV210)	
⚠ 4	1-830-475-11	CABO DE FORÇA	
⚠ 5	8-598-593-70	SINTONIZADOR, FSS BTF-WA421	
⚠ 6	1-766-374-11	PLUG, F-PIN	
7	Y-8284-851-A	PLACA MT (VAR) MONTADA	
8	4-041-203-01	SUPORTE, HV CABLE (SOMENTE PARA KV-29FV210)	
⚠ 9	1-453-310-11	FBT MONTADO NX-4521//X4J4	[10-12]
⚠ 10	1-251-715-22	CHUPETA DE ALTA TENSÃO	
⚠ 11	1-900-800-82	CABO, FOCUS	
⚠ 12	1-900-803-22	CABO, G2 LEAD	
13	Y-8284-835-A	PLACA W MONTADA	
14	Y-8284-843-A	PLACA AW MONTADA (SOMENTE PARA KV-29FA310)	
		Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluidos e devem ser ser solicitados separadamente (Ver 10-12)	
14	Y-8285-022-A	PLACA AW MONTADA (SOMENTE PARA KV-29FV210)	
		Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluidos e devem ser ser solicitados separadamente. (See 10-12)	

REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
* 15	3-696-606-02	PRENDEDOR PLÁSTICO COM TRAVA	
16	Y-8284-849-A	PLACA HU MONTADA	
17	A-1098-860-A	PLACA C (VAR) MONTADA	
18	A-1098-863-A	PLACA V (VAR) MONTADA	
* 19	A-1104-951-A	CAIXA ACÚSTICA (29) (SOMENTE PARA KV-29FA310)	[20-26]
* 20	4-101-820-01	PAINEL CENTRAL (W29) (SOMENTE PARA KV-29FA310)	
21	1-825-809-11	ALTO FALANTE (19.2X4.2CM) (SOMENTE PARA KV-29FA310)	
22	1-825-807-11	ALTO FALANTE (13CM) (SOMENTE PARA KV-29FA310)	
* 23	4-101-829-01	TAMPA SUPERIOR (W29) (SOMENTE PARA KV-29FA310)	
* 24	4-101-830-02	TAMPA SUPERIOR (W29) (SOMENTE PARA KV-29FA310)	
* 25	1-828-903-11	CABO DE CONEXÃO (SOMENTE PARA KV-29FA310)	
* 26	4-068-528-42	PÉ (SOMENTE PARA KV-29FA310)	

**NOTE: The components identified by shading and ⚠ mark are critical for safety.
Replace only with part number specified.**

6-4. TUBO DE IMAGEM (SOMENTE PARA KV-29FA310/29FV210)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
■	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B)
●	4-041-182-01	SCREW (+BVTP) (3X12), TAPPING



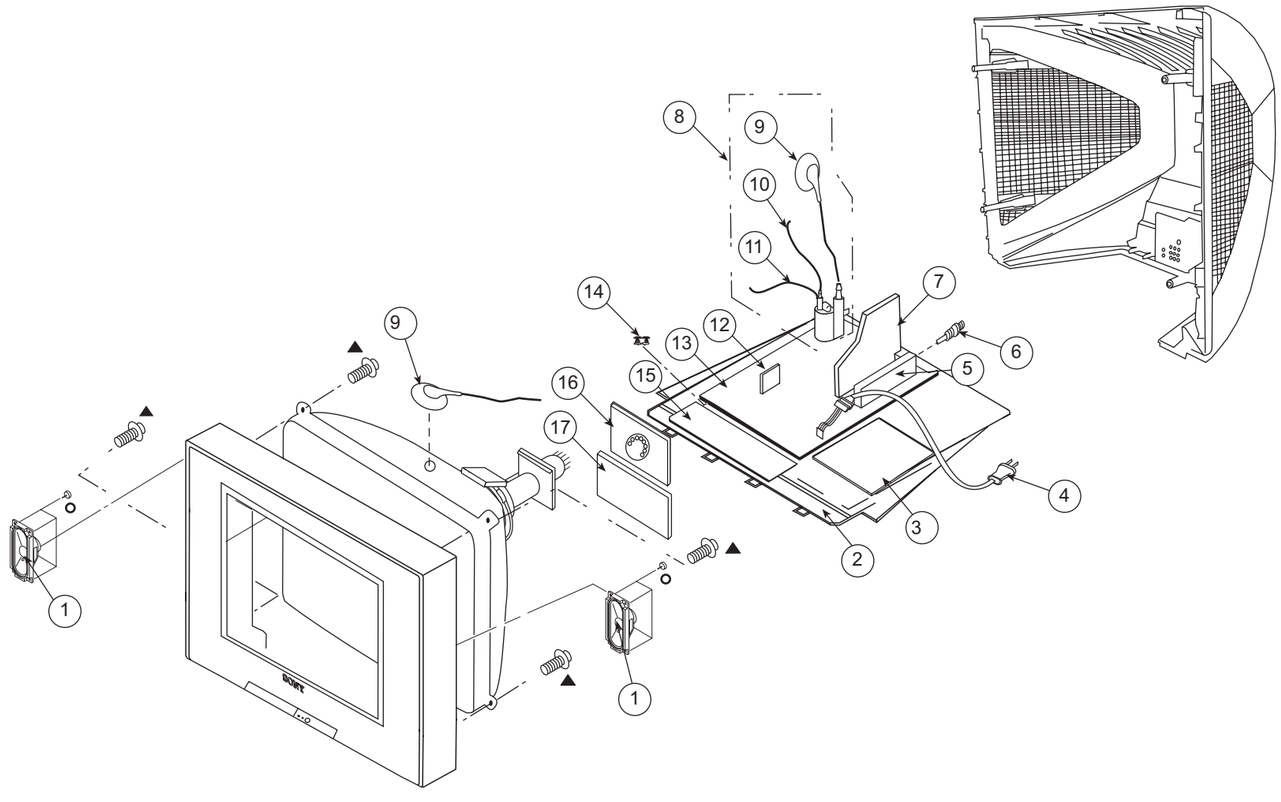
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	40	4-046-160-31	EMBLEMA, SONY NO.9	
	41	X-2050-715-1	GABINETE MONTADO	[42-46]
			(SOMENTE PARA KV-29FA310)	
	41	X-2050-893-1	BEZNET ASSY	[42-46]
			(SOMENTE PARA KV-29FV210)	
	42	4-087-375-81	DOOR, CONTROL	
*	43	4-087-376-31	LABEL, FRONT TERMINAL	
	44	4-087-156-11	GUIDE, LIGHT	
	45	4-087-150-61	BUTTON, POWER	
	46	4-087-374-01	SPRING, DOOR	
*	47	4-096-565-01	CUSHION, DGC	
			(SOMENTE PARA KV-29FA310)	
	48	1-452-896-11	COIL, NA ROTATION (RT-200)	
⚠	49	8-735-056-05	CRT 29RSN(SDS)(GE) M68LNH070X	
⚠	50	8-451-494-31	DY Y29RSA-S	
			(SOMENTE PARA KV-29FV210)	
⚠	50	8-451-494-41	DY Y29RSA-V	
			(SOMENTE PARA KV-29FA310)	

REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
⚠	51	8-453-011-41	NECK ASSEMBLY NA299-C	
			(SOMENTE PARA KV-29FV210)	
⚠	51	8-453-011-11	NECK ASSEMBLY NA299-M	
			(SOMENTE PARA KV-29FA310)	
	52	4-036-329-11	MOLA DE TENSÃO (B)	
⚠	53	1-419-523-21	BOBINA DESMAGNETIZADORA	
	54	4-100-433-01	TUBO, DGC (A)	
	55	4-083-414-01	CORRETOR DE CONVERGÊNCIA	
	56	1-452-885-11	MAGNETO, LANDING	
*	57	4-062-970-12	FIXADOR (29RSN), DGC	
	58	4-031-319-01	ESPAÇADOR, DY	
	59	4-081-170-01	PLATE, TLH CORRECTION	
	60	4-093-996-31	TAMPA TRASEIRA	
*	61	4-087-877-51	SUPORTE, TERMINAL	
			(SOMENTE PARA KV-29FV210)	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

6-5. CHASSIS (SOMENTE PARA KV-29FS110)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
○	4-043-061-01	SCREW (3X16), TAPPING, WASHER



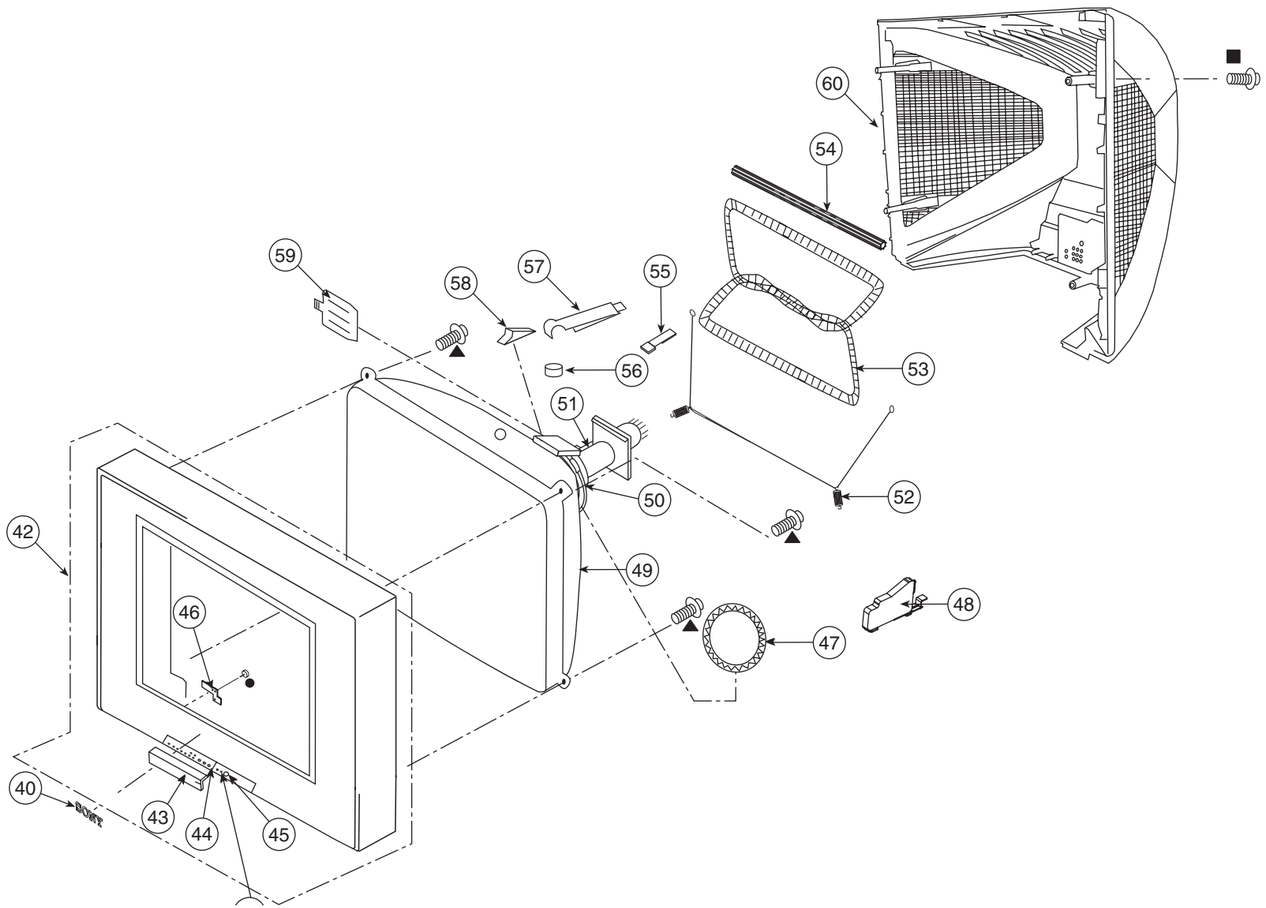
REF. NO.		PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	1	1-825-206-12	ALTO FALANTE (6X12CM)	
*	2	4-089-055-11	PLACA INFERIOR	
	3	Y-8284-944-A	PLACA BS (COM) MONTADA	
⚠	4	1-830-475-11	CABO AC	
⚠	5	8-598-593-70	SINTONIZADOR, FSS BTF-WA421	
⚠	6	1-766-374-11	PLUG, F-PIN	
	7	Y-8284-851-A	PLACA MT (VAR) MONTADA	
⚠	8	1-453-310-11	FBT MONTADO NX-4521//X4J4	[9-11]
⚠	9	1-251-374-14	CHUPETA DE ALTA TENSÃO	
⚠	10	1-900-800-82	CABO, FOCUS	

REF. NO.		PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
⚠	11	1-900-803-22	CABO, G2	
	12	Y-8284-835-A	PLACA W MONTADA	
	13	Y-8284-940-A	PLACA AW MONTADA	
	Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluidos e devem ser ser solicitados separadamente (See 9-11)			
*	14	3-696-606-02	HINGE, VI	
	15	A-1104-993-A	PLACA HS (VAR) MONTADA	
	16	A-1098-860-A	PLACA C (VAR)MONTADA	
	17	A-1098-863-A	PLACA V (VAR) MONTADA	

NOTE: The components identified by shading and ⚠ mark are critical for safety.
Replace only with part number specified.

6-6. TUBO DE IMAGEM (SOMENTE PARA KV-29FS110)

▲	4-046-765-12	SCREW, TAPPING 7+CROWN WASHER
■	7-685-663-79	SCREW +BVTP 4X16 TYPE2 TT(B)
●	4-041-182-01	SCREW (+BVTP) (3X12), TAPPING



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
40	4-046-160-31	EMBLEMA, SONY NO.9	
41	4-089-058-11	GUIA DE LUZ	
42	X-2050-497-1	GABINETE MONTADO	[43-46]
43	4-089-056-31	PORTA	
44	4-089-016-11	ETIQUETA, PORTA	
45	4-089-057-31	TECLA, POWER	
* 46	4-083-303-01	MOLA, METAL	
47	1-452-896-11	BOBINA, NA ROTAÇÃO (RT-200)	
48	4-089-062-02	SUPORTE, CRT	
⚠ 49	8-735-056-05	CRT 29RSN(SDS)(GE) M68LNH070X	
⚠ 50	8-451-494-31	DY Y29RSA-S	

REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
⚠ 51	8-453-011-41	NECK ASSEMBLY NA299-C	
52	4-036-329-11	MOLA DE TENSÀO (B)	
⚠ 53	1-419-523-21	BOBINA DESMAGNETIZADORA	
54	4-100-433-01	TUBO, DGC (A)	
55	4-083-414-01	CORRETOR DE CONVERGÊNCIA	
56	1-452-885-11	MAGNETO, PUREZA	
* 57	4-062-970-12	CLIP (29RSN), DGC	
58	4-031-319-01	ESPAÇADOR, DY	
59	4-081-170-01	PLATE, TLH CORRECTION	
60	4-089-053-11	TAMPA TRASEIRA	

SEÇÃO 7: LISTA DE PEÇAS ELÉTRICAS

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

As peças identificadas deste manual com o símbolo ⋈ foram cuida dosamente selecionadas para cada aparelho, de forma a atender as regulamentação para radiação de raio X.

Se necessária a troca, certifique-se de substituir pela peça indicada neste manual.

RESISTORES
- **Todos os resistores em ohm**
- **F : antichama**
- **Todos os resistores variável e ajustável tem característica de curva B, a menos que indicadas posteriormente.**

AW

*** Itens marcados com um asterístico " * " não são mantidos* em estoque por serem pouco solicitados para serviços de rotina. Algum atraso pode ser evitado antecipando-se o pedido.**

Quando solicitar peça pelo código da mesma, por favor indique-o modelo da placa

AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES
*	**Y-8285-022-A**	**PLACA AW MONTADA**	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

Os componenetes de alta voltagem ligados ao FBT na placa AW não estão incluidos e devem ser ser solicitados separadamente.

⚠	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
⚠	1-900-800-82	WIRE ASSY, FOCUS	
⚠	1-900-803-22	WIRE ASSY, G2 LEAD	

CAPACITOR

C049	1-126-964-11	ELECT	10µF	20%	50V
C050	1-126-935-11	ELECT	470µF	20%	16V
C051	1-126-933-11	ELECT	100µF	20%	16V
C052	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C053	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C054	1-126-967-11	ELECT	47µF	20%	50V
C055	1-126-933-11	ELECT	100µF	20%	16V
C056	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C057	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C059	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C200	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C201	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C202	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C203	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C206	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C207	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C208	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C209	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C212	1-126-963-11	ELECT	4.7µF	20%	50V
C213	1-126-963-11	ELECT	4.7µF	20%	50V
C307	1-126-964-11	ELECT	10µF	20%	50V
C308	1-126-964-11	ELECT	10µF	20%	50V
C309	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C310	1-126-964-11	ELECT	10µF	20%	50V
C312	1-126-964-11	ELECT	10µF	20%	50V
C314	1-126-964-11	ELECT	10µF	20%	50V
C315	1-126-964-11	ELECT	10µF	20%	50V
C362	1-126-964-11	ELECT	10µF	20%	50V
C365	1-162-117-00	CERAMIC	100pF	10%	500V
C366	1-126-964-11	ELECT	10µF	20%	50V
C367	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C368	1-126-964-11	ELECT	10µF	20%	50V
C373	1-126-947-11	ELECT	47µF	20%	35V
C400	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C401	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C402	1-164-174-11	CERAMIC CHIP	0.0082µF	10%	25V
C403	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C404	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C405	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C406	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C407	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C408	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C409	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C410	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C411	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C412	1-126-961-11	ELECT	2.2µF	20%	50V
C413	1-126-960-11	ELECT	1µF	20%	50V
C414	1-126-960-11	ELECT	1µF	20%	50V
C415	1-126-960-11	ELECT	1µF	20%	50V
C416	1-126-960-11	ELECT	1µF	20%	50V
C417	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C418	1-126-963-11	ELECT	4.7µF	20%	50V
C420	1-126-960-11	ELECT	1µF	20%	50V
C421	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C422	1-126-947-11	ELECT	47µF	20%	35V

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C423	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C424	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C425	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C426	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C427	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C450	1-100-120-51	ELECT	1000µF	20%	35V
C451	1-137-194-81	FILM	0.47µF	5%	50V
C456	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C458	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C461	1-126-965-91	ELECT	22µF	20%	50V
C463	1-126-963-11	ELECT	4.7µF	20%	50V
C466	1-126-935-11	ELECT	470µF	20%	16V
C467	1-126-935-11	ELECT	470µF	20%	16V
C468	1-126-935-11	ELECT	470µF	20%	16V
C472	1-126-935-11	ELECT	470µF	20%	16V
C473	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C476	1-126-964-11	ELECT	10µF	20%	50V
C480	1-126-960-11	ELECT	1µF	20%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V
C503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C504	1-102-228-00	CERAMIC	470pF	10%	500V
C505	1-102-228-00	CERAMIC	470pF	10%	500V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V
⚠ C507	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C509	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C510	1-137-150-11	FILM	0.01µF	5%	100V
⚠ C511	1-136-086-00	FILM	17000pF	3%	1.2KV
C512	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
⚠ C513	1-129-722-00	FILM	0.047µF	5%	630V
⚠ C514	1-109-844-11	FILM	0.68µF	5%	400V
C515	1-104-987-11	MYLAR	0.001µF	5%	200V
⚠ C516	1-115-521-11	FILM	0.82µF	5%	250V
C517	1-107-649-11	ELECT	2.2µF	20%	250V
C518	1-106-387-00	MYLAR	0.068µF	10%	200V
C519	1-102-244-00	CERAMIC	220pF	10%	500V
C520	1-165-136-11	CERAMIC	3300pF	10%	500V
C522	1-126-960-11	ELECT	1µF	20%	50V
C523	1-126-934-11	ELECT	220µF	20%	16V
C525	1-102-244-00	CERAMIC	220pF	10%	500V
C526	1-107-662-11	ELECT	22µF	20%	350V
⚠ C527	1-162-116-00	CERAMIC	680pF	10%	2KV
C528	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C529	1-104-662-91	ELECT	22µF	20%	25V
C530	1-164-690-91	CERAMIC CHIP	0.0022µF	5%	50V
C531	1-126-965-91	ELECT	22µF	20%	50V
C532	1-126-965-91	ELECT	22µF	20%	50V
C534	1-126-967-11	ELECT	47µF	20%	50V
C535	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C537	1-126-941-11	ELECT	470µF	20%	25V
C539	1-126-941-11	ELECT	470µF	20%	25V
C540	1-131-867-51	ELECT	100µF		160V
C541	1-128-560-11	ELECT	22µF	20%	100V
C545	1-106-387-00	MYLAR	0.068µF	10%	200V
⚠ C553	1-117-412-11	FILM	0.24µF	5%	250V
⚠ C554	1-117-629-11	FILM	2700pF	3%	1.2KV
C561	1-126-967-11	ELECT	47µF	20%	50V
C563	1-104-666-11	ELECT	220µF	20%	25V
C565	1-126-969-11	ELECT	220µF	20%	50V
C568	1-137-190-91	FILM	0.22µF	5%	50V
⚠ C581	1-165-529-11	MYLAR	0.22µF	10	275V
C588	1-130-491-00	MYLAR	0.047µF	5%	50V
C590	1-126-964-11	ELECT	10µF	20%	50V
C600	1-117-703-11	CERAMIC	0.0047µF	99%	250V
C602	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C604	1-164-625-11	CERAMIC	680pF	10%	500V
⚠ C605	1-165-530-11	MYLAR	0.47µF	10	275V
⚠ C606	1-165-530-11	MYLAR	0.47µF	10	275V
⚠ C608	1-119-912-51	CERAMIC	0.001µF	20%	125V
C609	1-164-625-11	CERAMIC	680pF	10%	500V
C611	1-104-665-11	ELECT	100µF	20%	25V
C612	1-104-665-11	ELECT	100µF	20%	25V
C616	1-126-943-11	ELECT	2200µF	20%	25V
C617	1-123-024-21	ELECT	33µF		160V
C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C621	1-117-894-11	ELECT	560µF	20%	250V
⚠ C622	1-119-912-51	CERAMIC	0.001µF	20%	125V
C629	1-117-894-11	ELECT	560µF	20%	250V
C632	1-126-943-11	ELECT	2200µF	20%	25V
C633	1-136-479-11	FILM	0.001µF	5%	100V
C634	1-126-964-11	ELECT	10µF	20%	50V
C635	1-126-963-11	ELECT	4.7µF	20%	50V
C637	1-136-165-00	FILM	0.1µF	5%	50V
C638	1-126-943-11	ELECT	2200µF	20%	25V
C642	1-126-969-11	ELECT	220µF	20%	50V
C643	1-136-165-00	FILM	0.1µF	5%	50V
C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C647	1-126-947-11	ELECT	47µF	20%	35V
C648	1-164-143-11	CERAMIC	0.001µF	10%	1KV

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES	
D614	8-719-057-52	DIODE	EZ0150AV1	
D615	8-719-062-40	DIODE	D4SBL20UF3	
D618	8-719-979-64	DIODE	UF4005/23	
D620	8-719-404-50	DIODE	MA111-TX	
D621	6-500-181-01	DIODE	MA6D50	
D628	8-719-404-50	DIODE	MA111-TX	
D629	8-719-083-82	DIODE	UDZS-TE17-12B	
D630	8-719-991-33	DIODE	1SS133T-77	
D631	6-500-567-01	DIODE	10ERB20-TA1B2	
D633	8-719-068-00	DIODE	ERC04-06SE	
D634	8-719-991-33	DIODE	1SS133T-77	
D643	8-719-032-12	DIODE	D1NS6	
D644	8-719-979-64	DIODE	UF4005/23	
D645	6-500-567-01	DIODE	10ERB20-TA1B2	
D646	8-719-404-50	DIODE	MA111-TX	
D647	6-500-567-01	DIODE	10ERB20-TA1B2	
D648	8-719-063-70	DIODE	D1NL20U	
D651	8-719-109-93	DIODE	RD6.2ESB2	
D652	8-719-510-53	DIODE	D4SB60L	
FUSE				
⚠ F601	1-532-506-32	FUSE	6.3A	250V
FERRITE BEAD				
FB501	1-412-911-11	FERRITE	0µH	
FB502	1-412-911-11	FERRITE	0µH	
FB503	1-412-911-11	FERRITE	0µH	
FB505	1-412-911-11	FERRITE	0µH	
FB602	1-412-911-11	FERRITE	0µH	
FB604	1-412-911-11	FERRITE	0µH	
FB613	1-410-397-21	FERRITE	1.1µH	
FB614	1-412-911-11	FERRITE	0µH	
FB616	1-412-911-11	FERRITE	0µH	
FB617	1-412-911-11	FERRITE	0µH	
FB650	1-412-911-11	FERRITE	0µH	
FB651	1-412-911-11	FERRITE	0µH	
FB652	1-412-911-11	FERRITE	0µH	
FB653	1-412-911-11	FERRITE	0µH	
FUSE HOLDER				
⚠ FH1	1-533-223-11	FUSE HOLDER	0A	0V
⚠ FH2	1-533-223-11	FUSE HOLDER	0A	0V

REF. NO.	PART NO.	DESCRIPTION	VALUES
IC			
IC302	8-759-353-00	IC	NJM2534M(TE2)
IC303	8-759-443-11	IC	NJM2283M-TE1
IC400	6-703-190-01	IC	NJW1134AGK1-TE2
IC401	6-705-054-01	IC	TDA8947J/N3
IC501	8-759-700-07	IC	NJM2903M
⚠ IC561	8-759-980-58	IC	TDA8172
IC600	6-705-810-01	IC	MCZ3001DB
IC601	8-749-017-76	IC	DM-58M
IC609	8-759-653-07	IC	PQ09RD21J00H
JACK			
* J201	1-818-351-11	S TERMINAL BLOCK	
* J205	1-818-012-11	PIN JACK BLOCK	10P
J207	1-794-116-11	JACK BLOCK, PIN	2P
CHIP CONDUCTOR			
JR1	1-216-864-11	SHORT CHIP	
JR3	1-216-864-11	SHORT CHIP	
JR9	1-216-864-11	SHORT CHIP	
JR10	1-216-864-11	SHORT CHIP	
JR404	1-216-864-11	SHORT CHIP	
JR405	1-216-864-11	SHORT CHIP	
JR410	1-216-864-11	SHORT CHIP	
JR411	1-216-864-11	SHORT CHIP	
JR412	1-216-864-11	SHORT CHIP	
JR414	1-216-864-11	SHORT CHIP	
JR416	1-216-864-11	SHORT CHIP	
JR418	1-216-864-11	SHORT CHIP	
JR419	1-216-864-11	SHORT CHIP	
JR423	1-216-864-11	SHORT CHIP	
JR424	1-216-864-11	SHORT CHIP	
JR501	1-216-864-11	SHORT CHIP	
JR502	1-216-864-11	SHORT CHIP	
JR622	1-216-864-11	SHORT CHIP	
JR623	1-216-864-11	SHORT CHIP	
JR624	1-216-864-11	SHORT CHIP	
JR625	1-216-864-11	SHORT CHIP	
JR626	1-216-864-11	SHORT CHIP	

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C649	1-164-143-11	CERAMIC	0.001µF	10%	1KV
C650	1-100-120-51	ELECT	1000µF	20%	35V
C651	1-126-943-11	ELECT	2200µF	20%	25V
C652	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C653	1-126-964-11	ELECT	10µF	20%	50V
C661	1-126-947-11	ELECT	47µF	20%	35V
C669	1-164-625-11	CERAMIC	680pF	10%	500V
C670	1-164-625-11	CERAMIC	680pF	10%	500V
C672	1-165-953-11	FILM	47000pF	3%	800V
C675	1-107-674-91	ELECT	0.47µF	20%	450V
C676	1-107-680-91	ELECT	22µF	20%	450V
C677	1-104-662-91	ELECT	22µF	20%	25V
C678	1-104-665-11	ELECT	100µF	20%	25V
C690	1-126-942-61	ELECT	1000µF	20%	25V

CONNECTOR

* CN401	1-564-507-11	PLUG, CONNECTOR	4P	
* CN501	1-580-798-11	CONNECTOR PIN (DY)	6P	
* CN503	1-564-510-11	PLUG, CONNECTOR	7P	
* CN505	1-785-879-21	ONE TOUCH CONNECTOR		
* CN508	1-508-765-00	PIN, CONNECTOR (5MM PITCH)	3P	
*⚠ CN600	1-580-843-11	PIN, CONNECTOR (POWER)		
CN601	1-695-915-11	TAB (CONTACT)		

DIODE

D009	8-719-982-22	DIODE	MTZJ-30D
D200	8-719-069-60	DIODE	UDZSTE-179.1B
D201	8-719-069-60	DIODE	UDZSTE-179.1B
D209	8-719-069-60	DIODE	UDZSTE-179.1B
D210	8-719-069-60	DIODE	UDZSTE-179.1B
D211	8-719-069-60	DIODE	UDZSTE-179.1B
D212	8-719-069-60	DIODE	UDZSTE-179.1B
D213	8-719-510-02	DIODE	D1NS4
D218	8-719-929-15	DIODE	HZS9.1NB2
D219	8-719-929-15	DIODE	HZS9.1NB2
D305	8-719-070-62	DIODE	PDZ9.1B-115
D306	8-719-070-62	DIODE	PDZ9.1B-115
D307	8-719-070-62	DIODE	PDZ9.1B-115
D308	8-719-977-28	DIODE	DTZ10B
D318	8-719-069-60	DIODE	UDZSTE-179.1B
D319	8-719-069-60	DIODE	UDZSTE-179.1B
D320	8-719-069-60	DIODE	UDZSTE-179.1B
D321	8-719-069-60	DIODE	UDZSTE-179.1B
D322	8-719-069-60	DIODE	UDZSTE-179.1B
D323	8-719-069-60	DIODE	UDZSTE-179.1B
D400	8-719-404-50	DIODE	MA111-TX
D401	8-719-069-60	DIODE	UDZSTE-179.1B
D402	8-719-069-60	DIODE	UDZSTE-179.1B
D405	8-719-404-50	DIODE	MA111-TX
D414	8-719-921-63	DIODE	MTZJ-7.5B
D418	1-216-864-11	SHORT CHIP	
D422	1-216-809-11	METAL CHIP	100 5% 1/10W
D423	8-719-404-50	DIODE	MA111-TX
D424	8-719-404-50	DIODE	MA111-TX
D425	8-719-056-84	DIODE	UDZ-TE-17-7.5B
D500	8-719-081-00	DIODE	BY228/A52A/
D501	8-719-404-50	DIODE	MA111-TX
⚠ D503	8-719-081-00	DIODE	BY228/A52A/
D504	6-500-485-01	DIODE	FR305G-EB
D505	8-719-908-03	DIODE	GP08D
D506	8-719-908-03	DIODE	GP08D
D508	8-719-404-50	DIODE	MA111-TX
D509	8-719-404-50	DIODE	MA111-TX
⚠ D515	8-719-075-41	DIODE	PR1004GT
D516	8-719-404-50	DIODE	MA111-TX
D518	8-719-404-50	DIODE	MA111-TX
⚠ D519	8-719-302-43	DIODE	EL1Z
D520	8-719-404-50	DIODE	MA111-TX
D521	8-719-921-63	DIODE	MTZJ-7.5B
D522	8-719-404-50	DIODE	MA111-TX
D525	8-719-404-50	DIODE	MA111-TX
D526	8-719-404-50	DIODE	MA111-TX
⚠ D530	6-500-531-01	DIODE	PG154R
D531	6-500-531-01	DIODE	PG154R
D534	8-719-074-25	DIODE	PG104R
D535	8-719-404-50	DIODE	MA111-TX
D551	8-719-069-55	DIODE	UDZSTE-175.6B
D561	8-719-075-33	DIODE	1N4003GA
D580	8-719-991-33	DIODE	1SS133T-77
D588	8-719-404-50	DIODE	MA111-TX
D589	8-719-404-50	DIODE	MA111-TX
D590	8-719-404-50	DIODE	MA111-TX
D600	8-719-510-53	DIODE	D4SB60L
D611	8-719-062-40	DIODE	D4SBL20UF3
D612	8-719-068-00	DIODE	ERC04-06SE
D613	8-719-068-00	DIODE	ERC04-06SE

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		COIL		
	L003	1-414-856-11	INDUCTOR	10µH
	L004	1-414-857-11	INDUCTOR	100µH
	L009	1-414-857-11	INDUCTOR	100µH
	L501	1-406-677-11	INDUCTOR	10MH
	L502	1-412-552-11	INDUCTOR	2.2MH
	L503	1-406-677-11	INDUCTOR	10MH
⚠	L505	1-419-714-11	INDUCTOR	100µH
	L511	1-409-955-31	INDUCTOR	8MH
	L515	1-412-529-11	INDUCTOR	22µH
	L517	1-412-552-11	INDUCTOR	2.2MH
	L604	1-412-525-31	INDUCTOR	10µH
	L605	1-412-911-11	FERRITE	0µH
	L606	1-412-911-11	FERRITE	0µH
	L608	1-412-529-11	INDUCTOR	22µH
	L609	1-412-529-11	INDUCTOR	22µH
		PHOTO COUPLER		
⚠	PH602	8-749-924-35	PHOTO COUPLER	ON3171-R
	PH603	8-749-924-35	PHOTO COUPLER	ON3171-R
		IC LINK		
	PS401	1-576-337-21	IC LINK	2.7A 50V
	PS609	1-532-984-11	IC LINK	2A 50V
		TRANSISTOR		
	Q005	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q300	8-729-600-22	TRANSISTOR	2SA1235-F
	Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q403	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q412	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q466	8-729-600-22	TRANSISTOR	2SA1235-F
	Q467	8-729-600-22	TRANSISTOR	2SA1235-F
	Q468	8-729-600-22	TRANSISTOR	2SA1235-F
	Q469	8-729-600-22	TRANSISTOR	2SA1235-F
	Q470	8-729-600-22	TRANSISTOR	2SA1235-F
	Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q501	8-729-140-50	TRANSISTOR	2SC3209LK
⚠	Q502	6-550-107-01	TRANSISTOR	2SD2645-YB
	Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q511	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q512	8-729-809-29	TRANSISTOR	2SC4159-E
	Q530	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q531	8-729-600-22	TRANSISTOR	2SA1235-F
	Q532	6-550-362-01	TRANSISTOR	KTA1279
	Q561	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q562	8-729-600-22	TRANSISTOR	2SA1235-F
	Q564	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q583	8-729-600-22	TRANSISTOR	2SA1235-F
	Q600	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q601	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q604	8-729-600-22	TRANSISTOR	2SA1235-F
	Q605	8-729-140-96	TRANSISTOR	2SD774-34
	Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q608	8-729-922-37	TRANSISTOR	2SD2144S-UVW
	Q611	6-550-409-01	TRANSISTOR	KSC2383-O
	Q690	8-729-600-22	TRANSISTOR	2SA1235-F
	Q691	8-729-026-39	TRANSISTOR	2SA933AS-QT
		RESISTOR		
	R085	1-215-900-11	METAL OXIDE	22K 5% 2W
	R086	1-216-839-11	METAL CHIP	33K 5% 1/10W
	R087	1-216-837-11	METAL CHIP	22K 5% 1/10W
	R089	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
	R099	1-216-809-11	METAL CHIP	100 5% 1/10W
	R107	1-216-809-11	METAL CHIP	100 5% 1/10W
	R108	1-216-809-11	METAL CHIP	100 5% 1/10W
	R202	1-216-813-11	METAL CHIP	220 5% 1/10W
	R206	1-216-813-11	METAL CHIP	220 5% 1/10W
	R207	1-216-845-11	METAL CHIP	100K 5% 1/10W
	R208	1-216-813-11	METAL CHIP	220 5% 1/10W
	R209	1-216-845-11	METAL CHIP	100K 5% 1/10W
	R210	1-216-813-11	METAL CHIP	220 5% 1/10W
	R217	1-216-845-11	METAL CHIP	100K 5% 1/10W
	R218	1-216-845-11	METAL CHIP	100K 5% 1/10W
	R219	1-216-813-11	METAL CHIP	220 5% 1/10W
	R220	1-216-813-11	METAL CHIP	220 5% 1/10W
	R222	1-216-845-11	METAL CHIP	100K 5% 1/10W

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AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R223	1-216-813-11	METAL CHIP	220	5%	1/10W
R224	1-216-813-11	METAL CHIP	220	5%	1/10W
R225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R232	1-216-853-11	METAL CHIP	470K	5%	1/10W
R233	1-216-853-11	METAL CHIP	470K	5%	1/10W
R234	1-216-813-11	METAL CHIP	220	5%	1/10W
R235	1-216-813-11	METAL CHIP	220	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R302	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R303	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R315	1-218-285-11	METAL CHIP	75	5%	1/10W
R316	1-218-285-11	METAL CHIP	75	5%	1/10W
R317	1-218-285-11	METAL CHIP	75	5%	1/10W
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R367	1-216-864-11	SHORT CHIP			
R369	1-216-864-11	SHORT CHIP			
R390	1-216-813-11	METAL CHIP	220	5%	1/10W
R391	1-218-285-11	METAL CHIP	75	5%	1/10W
R393	1-218-285-11	METAL CHIP	75	5%	1/10W
R394	1-216-813-11	METAL CHIP	220	5%	1/10W
R395	1-216-813-11	METAL CHIP	220	5%	1/10W
R396	1-216-813-11	METAL CHIP	220	5%	1/10W
R397	1-216-813-11	METAL CHIP	220	5%	1/10W
R398	1-216-813-11	METAL CHIP	220	5%	1/10W
R400	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R402	1-216-845-11	METAL CHIP	100K	5%	1/10W
R403	1-247-807-31	CARBON	100	5%	1/4W
R404	1-216-845-11	METAL CHIP	100K	5%	1/10W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-249-393-11	CARBON	10	5%	1/4W
R407	1-216-864-11	SHORT CHIP			
R408	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R410	1-216-813-11	METAL CHIP	220	5%	1/10W
R411	1-249-393-11	CARBON	10	5%	1/4W
R414	1-216-813-11	METAL CHIP	220	5%	1/10W
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R422	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R425	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W
R463	1-216-864-11	SHORT CHIP			
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R467	1-216-837-11	METAL CHIP	22K	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-837-11	METAL CHIP	22K	5%	1/10W
R470	1-216-837-11	METAL CHIP	22K	5%	1/10W
R471	1-216-837-11	METAL CHIP	22K	5%	1/10W
R472	1-249-441-11	CARBON	100K	5%	1/4W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W
R474	1-216-837-11	METAL CHIP	22K	5%	1/10W
R475	1-216-841-11	METAL CHIP	47K	5%	1/10W
R477	1-216-819-11	METAL CHIP	680	5%	1/10W
R478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R479	1-216-821-11	METAL CHIP	1K	5%	1/10W
R480	1-216-809-11	METAL CHIP	100	5%	1/10W
R481	1-216-864-11	SHORT CHIP			
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R484	1-249-429-11	CARBON	10K	5%	1/4W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R490	1-216-864-11	SHORT CHIP			
R495	1-216-864-11	SHORT CHIP			
R496	1-216-864-11	SHORT CHIP			
R498	1-216-864-11	SHORT CHIP			
R500	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-243-608-71	METAL OXIDE	1.5K	5%	3W
R506	1-243-683-71	METAL OXIDE	47	5%	1W
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R509	1-260-328-11	CARBON	1K	5%	1/2W
⚠ R510	1-215-908-00	METAL OXIDE	33	5%	3W
R512	1-243-535-71	METAL OXIDE	220	5%	3W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R519	1-249-411-11	CARBON	330	5%	1/4W
	R520	1-243-531-71	METAL OXIDE	100	5%	3W
	R521	1-216-815-11	METAL CHIP	330	5%	1/10W
⚠	R523	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
⚠	R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R525	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
⚠	R528	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
	R529	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
	R530	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
	R531	1-218-901-11	METAL CHIP	180K	0.50%	1/10W
	R532	1-216-810-11	METAL CHIP	120	5%	1/10W
	R533	1-215-879-11	METAL OXIDE	47K	5%	1W
	R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R535	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠	R536	1-260-288-11	CARBON	0.47	5%	1/2W
⚠	R537	1-260-288-11	CARBON	0.47	5%	1/2W
	R538	1-247-887-00	CARBON	220K	5%	1/4W
	R541	1-216-841-11	METAL CHIP	47K	5%	1/10W
	R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R543	1-249-377-11	CARBON	0.47	5%	1/4W
	R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠	R545	1-249-387-11	CARBON	3.3	5%	1/4W
	R546	1-215-453-00	METAL	22K	1%	1/4W
	R547	1-215-445-00	METAL	10K	1%	1/4W
	R548	1-215-453-00	METAL	22K	1%	1/4W
	R549	1-215-429-00	METAL	2.2K	1%	1/4W
⚠	R550	1-249-377-11	CARBON	0.47	5%	1/4W
	R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W
	R552	1-243-608-71	METAL OXIDE	1.5K	5%	3W
⚠	R553	1-249-377-11	CARBON	0.47	5%	1/4W
	R559	1-216-805-11	METAL CHIP	47	5%	1/10W
	R561	1-215-445-00	METAL	10K	1%	1/4W
⚠	R563	1-214-798-21	METAL	1.8	1%	1/2W
	R564	1-247-895-91	CARBON	470K	5%	1/4W
	R565	1-215-889-00	METAL OXIDE	330	5%	2W
	R566	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
⚠	R567	1-249-385-11	CARBON	2.2	5%	1/4W
	R568	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R569	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
	R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R571	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R572	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R573	1-218-873-11	METAL CHIP	12K	0.50%	1/10W

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	R574	1-214-798-21	METAL	1.8	1%	1/2W
	R576	1-243-523-71	METAL OXIDE	22	5%	3W
	R580	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R584	1-249-429-11	CARBON	10K	5%	1/4W
	R586	1-216-843-11	METAL CHIP	68K	5%	1/10W
	R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R590	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R592	1-243-803-71	METAL OXIDE	0.33	5%	1W
	R593	1-249-417-11	CARBON	1K	5%	1/4W
	R594	1-249-429-11	CARBON	10K	5%	1/4W
	R595	1-247-891-00	CARBON	330K	5%	1/4W
	R596	1-249-441-11	CARBON	100K	5%	1/4W
	R597	1-216-864-11	SHORT CHIP			
	R598	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R609	1-205-997-31	CEMENTED	2.2	5%	10W
	R610	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W
	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R614	1-216-864-11	SHORT CHIP			
⚠	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	R616	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R618	1-216-864-11	SHORT CHIP			
	R619	1-249-377-11	CARBON	0.47	5%	1/4W
	R620	1-215-857-11	METAL OXIDE	10	5%	1W
	R625	1-216-817-11	METAL CHIP	470	5%	1/10W
	R626	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
	R628	1-260-131-11	CARBON	470K	5%	1/2W
	R629	1-245-478-21	METAL	470K	1%	1/4W
	R630	1-245-478-21	METAL	470K	1%	1/4W
	R631	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
	R632	1-218-823-11	METAL CHIP	100	0.50%	1/10W
	R640	1-249-417-11	CARBON	1K	5%	1/4W
	R643	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R644	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R645	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R646	1-218-769-11	METAL CHIP	510K	0.50%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA KV-29FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R647	1-211-992-11	METAL CHIP	91	0.50%	1/10W
	R648	1-216-864-11	SHORT CHIP			
	R650	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R651	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R655	1-240-303-31	CEMENTED	0.22	5%	10W
	R658	1-249-393-11	CARBON	10	5%	1/4W
	R659	1-249-393-11	CARBON	10	5%	1/4W
	R660	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R661	1-249-415-11	CARBON	680	5%	1/4W
	R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R668	1-249-413-11	CARBON	470	5%	1/4W
	R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R674	1-220-926-11	FUSIBLE	0.47	10%	1/2W
	R675	1-260-300-11	CARBON	4.7	5%	1/2W
	R678	1-260-300-11	CARBON	4.7	5%	1/2W
	R681	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R686	1-240-303-31	CEMENTED	0.22	5%	10W
	R687	1-220-797-11	CEMENTED	0.47	5%	10W
	R688	1-220-797-11	CEMENTED	0.47	5%	10W
	R690	1-249-389-11	CARBON	4.7	5%	1/4W
	R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R692	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R693	1-247-891-00	CARBON	330K	5%	1/4W
	R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R697	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R699	1-247-289-00	METAL	8.2M	5%	1W
	R932	1-218-285-11	METAL CHIP	75	5%	1/10W
	R934	1-218-285-11	METAL CHIP	75	5%	1/10W
	R953	1-218-285-11	METAL CHIP	75	5%	1/10W
	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W

RELAY

	RY501	1-755-198-11	RELAY, AC POWER
⚠	RY600	1-755-388-11	RELAY (AC POWER)
⚠	RY601	1-755-395-11	RELAY (AC POWER)

SWITCH

	S501	1-572-707-11	SWITCH, LEVER
	S502	1-572-707-11	SWITCH, LEVER

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		TRANSFORMER		
	T501	1-433-836-11	TRANSFORMER, HORIZONTAL DRIVE	
⚠	T502	1-435-869-11	TRANFORMER, FERRITE (PMT)	
⚠	T503	1-453-310-11	FBT ASSY NX-4521//X4J4	
⚠	T505	1-433-850-11	TRANSFORMER, HORIZONTAL LINEAR	
⚠	T601	1-443-402-11	TRANSFORMER, LINE FILTER	
⚠	T604	1-437-606-12	COVERTER TRANSFORMER	
	T655	1-437-851-11	TRANSFORMER ASSY, POWER (HST)	
		THERMISTOR		
	TH501	1-800-193-00	THERMISTOR	
	THP501	1-803-540-11	THERMISTOR	
	THP600	1-803-586-11	THERMISTOR, NTC	
		TUNER		
⚠	TU001	8-598-593-70	TUNER, FSS BTF-WA421	
		VARISTOR		
⚠	VDR600	1-804-995-11	VARISTOR	
⚠	VDR601	1-803-614-11	VARISTOR	ENE471D-20A

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES
AW			
AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310			
*	Y-8284-833-A	PLACA AW MONTADA	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
	Os componenetes de alta voltagem ligados ao FBT na placa AW nao estao incluidos e devem ser ser solicitados separadamente.		
⚠	1-251-642-52	CAP ASSY, HIGH-VOLTAGE	
⚠	1-900-800-65	CONNECTOR ASSY, FOCUS LEAD	
⚠	1-900-803-22	WIRE ASSY, G2 LEAD	
	CAPACITOR		
C049	1-126-964-11	ELECT	10µF 20% 50V
C050	1-126-935-11	ELECT	470µF 20% 16V
C051	1-126-933-11	ELECT	100µF 20% 16V
C052	1-162-968-11	CERAMIC CHIP	0.0047µF 10% 50V
C053	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C054	1-126-967-11	ELECT	47µF 20% 50V
C055	1-126-933-11	ELECT	100µF 20% 16V
C056	1-135-834-91	CERAMIC CHIP	2.2µF 6.3V
C059	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C200	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C201	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C202	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C203	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C206	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C207	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C208	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C209	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C212	1-126-963-11	ELECT	4.7µF 20% 50V
C213	1-126-963-11	ELECT	4.7µF 20% 50V
C309	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C362	1-126-964-11	ELECT	10µF 20% 50V
C365	1-164-625-11	CERAMIC	680pF 10% 500V
C367	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C368	1-126-964-11	ELECT	10µF 20% 50V
C400	1-128-934-91	CERAMIC CHIP	0.33µF 20% 10V
C401	1-164-227-11	CERAMIC CHIP	0.022µF 10% 25V
C402	1-164-174-11	CERAMIC CHIP	0.0082µF 10% 25V
C403	1-162-967-11	CERAMIC CHIP	0.0033µF 10% 50V
C404	1-162-967-11	CERAMIC CHIP	0.0033µF 10% 50V
C405	1-164-677-11	CERAMIC CHIP	0.033µF 10% 16V
C406	1-164-677-11	CERAMIC CHIP	0.033µF 10% 16V
C407	1-162-965-11	CERAMIC CHIP	0.0015µF 10% 50V
C408	1-162-965-11	CERAMIC CHIP	0.0015µF 10% 50V
C409	1-127-715-91	CERAMIC CHIP	0.22µF 10% 16V
C410	1-127-715-91	CERAMIC CHIP	0.22µF 10% 16V
C411	1-128-934-91	CERAMIC CHIP	0.33µF 20% 10V
C412	1-126-961-11	ELECT	2.2µF 20% 50V
C413	1-126-963-11	ELECT	4.7µF 20% 50V
C414	1-126-960-11	ELECT	1µF 20% 50V
C415	1-126-963-11	ELECT	4.7µF 20% 50V
C416	1-126-960-11	ELECT	1µF 20% 50V
C417	1-115-416-11	CERAMIC CHIP	0.001µF 5% 25V
C418	1-126-963-11	ELECT	4.7µF 20% 50V
C420	1-126-960-11	ELECT	1µF 20% 50V
C422	1-126-947-11	ELECT	47µF 20% 35V
C424	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C425	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C426	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C450	1-100-120-51	ELECT	1000µF 20% 35V
C451	1-137-194-81	FILM	0.47µF 5% 50V
C456	1-165-176-11	CERAMIC CHIP	0.047µF 10% 16V
C458	1-165-176-11	CERAMIC CHIP	0.047µF 10% 16V
C461	1-126-965-91	ELECT	22µF 20% 50V
C463	1-126-963-11	ELECT	4.7µF 20% 50V
C466	1-126-935-11	ELECT	470µF 20% 16V
C467	1-126-935-11	ELECT	470µF 20% 16V
C468	1-126-935-11	ELECT	470µF 20% 16V
C472	1-126-935-11	ELECT	470µF 20% 16V
C473	1-125-891-11	CERAMIC CHIP	0.47µF 10% 10V
C476	1-126-964-11	ELECT	10µF 20% 50V
C480	1-126-960-11	ELECT	1µF 20% 50V
C502	1-126-959-11	ELECT	0.47µF 20% 50V
C503	1-164-315-11	CERAMIC CHIP	470pF 5% 50V
C504	1-102-228-00	CERAMIC	470pF 10% 500V
C505	1-102-228-00	CERAMIC	470pF 10% 500V
C506	1-106-383-00	MYLAR	0.047µF 10% 200V
⚠ C507	1-162-116-00	CERAMIC	680pF 10% 2KV
⚠ C509	1-162-116-00	CERAMIC	680pF 10% 2KV
⚠ C510	1-137-150-11	FILM	0.01µF 5% 100V
⚠ C511	1-117-642-11	FILM	8200pF 3% 1.2KV
C512	1-164-315-11	CERAMIC CHIP	470pF 5% 50V
⚠ C513	1-129-722-00	FILM	0.047µF 5% 630V

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	C514	1-115-521-11	FILM	0.82µF	5%	250V
	C515	1-104-987-11	MYLAR	0.001µF	5%	200V
⚠	C516	1-115-519-11	FILM	0.56µF	5%	250V
	C517	1-107-651-11	ELECT	4.7µF	20%	250V
	C518	1-106-383-00	MYLAR	0.047µF	10%	200V
	C519	1-102-244-00	CERAMIC	220pF	10%	500V
	C520	1-164-646-11	CERAMIC	2200pF	10%	500V
	C522	1-126-960-11	ELECT	1µF	20%	50V
	C523	1-126-934-11	ELECT	220µF	20%	16V
	C525	1-102-244-00	CERAMIC	220pF	10%	500V
	C526	1-107-662-11	ELECT	22µF	20%	350V
⚠	C527	1-162-116-00	CERAMIC	680pF	10%	2KV
	C528	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	C529	1-104-662-91	ELECT	22µF	20%	25V
	C531	1-107-635-11	ELECT	4.7µF	20%	160V
	C532	1-126-963-11	ELECT	4.7µF	20%	50V
	C534	1-126-967-11	ELECT	47µF	20%	50V
	C535	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C537	1-126-941-11	ELECT	470µF	20%	25V
	C539	1-126-941-11	ELECT	470µF	20%	25V
	C540	1-131-867-51	ELECT	100µF		160V
	C541	1-128-560-11	ELECT	22µF	20%	100V
	C545	1-106-387-00	MYLAR	0.068µF	10%	200V
	C548	1-100-831-91	CERAMIC CHIP	0.001µF	2%	50V
	C549	1-100-831-91	CERAMIC CHIP	0.001µF	2%	50V
⚠	C554	1-117-214-11	CERAMIC	0.001µF	10%	2KV
	C561	1-126-967-11	ELECT	47µF	20%	50V
	C563	1-104-666-11	ELECT	220µF	20%	25V
	C565	1-126-969-11	ELECT	220µF	20%	50V
	C568	1-137-190-91	FILM	0.22µF	5%	50V
⚠	C581	1-165-529-11	MYLAR	0.22µF	10	275V
	C588	1-130-491-00	MYLAR	0.047µF	5%	50V
	C590	1-126-964-11	ELECT	10µF	20%	50V
	C600	1-117-703-11	CERAMIC	0.0047µF	99%	250V
	C602	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C604	1-164-625-11	CERAMIC	680pF	10%	500V
⚠	C605	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C606	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C608	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C609	1-164-625-11	CERAMIC	680pF	10%	500V
	C611	1-104-665-11	ELECT	100µF	20%	25V
	C612	1-104-665-11	ELECT	100µF	20%	25V
	C616	1-126-943-11	ELECT	2200µF	20%	25V
	C617	1-123-024-21	ELECT	33µF		160V

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C621	1-117-893-11	ELECT	470µF	20%	250V
⚠	C622	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C629	1-117-893-11	ELECT	470µF	20%	250V
	C632	1-126-943-11	ELECT	2200µF	20%	25V
	C633	1-136-479-11	FILM	0.001µF	5%	100V
	C634	1-126-964-11	ELECT	10µF	20%	50V
	C635	1-126-963-11	ELECT	4.7µF	20%	50V
	C637	1-136-165-00	FILM	0.1µF	5%	50V
	C638	1-126-943-11	ELECT	2200µF	20%	25V
	C642	1-126-969-11	ELECT	220µF	20%	50V
	C643	1-136-165-00	FILM	0.1µF	5%	50V
	C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	C647	1-126-947-11	ELECT	47µF	20%	35V
	C648	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C649	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C650	1-100-120-51	ELECT	1000µF	20%	35V
	C651	1-126-943-11	ELECT	2200µF	20%	25V
	C652	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C653	1-126-964-11	ELECT	10µF	20%	50V
	C661	1-126-947-11	ELECT	47µF	20%	35V
	C669	1-164-625-11	CERAMIC	680pF	10%	500V
	C670	1-164-625-11	CERAMIC	680pF	10%	500V
	C672	1-165-953-11	FILM	47000pF	3%	800V
	C675	1-107-674-91	ELECT	0.47µF	20%	450V
	C676	1-107-680-91	ELECT	22µF	20%	450V
	C677	1-104-662-91	ELECT	22µF	20%	25V
	C678	1-104-665-11	ELECT	100µF	20%	25V
	C690	1-126-942-61	ELECT	1000µF	20%	25V

CONNECTOR

*	CN401	1-564-507-11	PLUG, CONNECTOR	4P
*	CN501	1-580-798-11	CONNECTOR PIN (DY)	6P
*	CN503	1-564-510-11	PLUG, CONNECTOR	7P
*	CN508	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P
*⚠	CN600	1-580-843-11	PIN, CONNECTOR (POWER)	
	CN601	1-695-915-11	TAB (CONTACT)	

DIODE

D009	8-719-982-22	DIODE	MTZJ-30D
D200	8-719-069-60	DIODE	UDZSTE-179.1B
D201	8-719-069-60	DIODE	UDZSTE-179.1B
D209	8-719-069-60	DIODE	UDZSTE-179.1B
D210	8-719-069-60	DIODE	UDZSTE-179.1B

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES
D211	8-719-069-60	DIODE	UDZSTE-179.1B
D212	8-719-069-60	DIODE	UDZSTE-179.1B
D213	8-719-510-02	DIODE	D1NS4
D218	8-719-929-15	DIODE	HZS9.1NB2
D219	8-719-929-15	DIODE	HZS9.1NB2
D305	8-719-070-62	DIODE	PDZ9.1B-115
D307	8-719-070-62	DIODE	PDZ9.1B-115
D308	8-719-977-28	DIODE	DTZ10B
D309	8-719-069-60	DIODE	UDZSTE-179.1B
D310	8-719-108-12	DIODE	RD9.1EW
D311	8-719-069-60	DIODE	UDZSTE-179.1B
D324	8-719-069-60	DIODE	UDZSTE-179.1B
D325	8-719-069-60	DIODE	UDZSTE-179.1B
D400	8-719-404-50	DIODE	MA111-TX
D405	8-719-404-50	DIODE	MA111-TX
D414	8-719-921-63	DIODE	MTZJ-7.5B
D418	1-216-864-11	SHORT CHIP	
D422	1-216-809-11	METAL CHIP	100 5% 1/10W
D423	8-719-404-50	DIODE	MA111-TX
D424	8-719-404-50	DIODE	MA111-TX
D425	8-719-056-84	DIODE	UDZ-TE-17-7.5B
D500	8-719-081-00	DIODE	BY228/A52A/
D501	8-719-404-50	DIODE	MA111-TX
D504	6-500-485-01	DIODE	FR305G-EB
D505	8-719-908-03	DIODE	GP08D
D506	8-719-908-03	DIODE	GP08D
D508	8-719-404-50	DIODE	MA111-TX
D509	8-719-404-50	DIODE	MA111-TX
D515	8-719-075-41	DIODE	PR1004GT
D516	8-719-404-50	DIODE	MA111-TX
D518	8-719-404-50	DIODE	MA111-TX
D519	8-719-302-43	DIODE	EL1Z
D520	8-719-404-50	DIODE	MA111-TX
D521	8-719-110-08	DIODE	RD8.2ESB2
D522	8-719-404-50	DIODE	MA111-TX
D525	8-719-404-50	DIODE	MA111-TX
D526	8-719-404-50	DIODE	MA111-TX
D530	6-500-531-01	DIODE	PG154R
D531	6-500-531-01	DIODE	PG154R
D534	8-719-074-25	DIODE	PG104R
D535	8-719-404-50	DIODE	MA111-TX
D551	8-719-069-55	DIODE	UDZSTE-175.6B
D561	8-719-075-33	DIODE	1N4003GA
D580	8-719-991-33	DIODE	1SS133T-77
D588	8-719-404-50	DIODE	MA111-TX
D589	8-719-404-50	DIODE	MA111-TX
D590	8-719-404-50	DIODE	MA111-TX
D600	8-719-510-53	DIODE	D4SB60L
D611	8-719-062-40	DIODE	D4SBL20UF3
D612	8-719-068-00	DIODE	ERC04-06SE
D613	8-719-068-00	DIODE	ERC04-06SE
D614	8-719-057-52	DIODE	EZ0150AV1
D615	8-719-062-40	DIODE	D4SBL20UF3
D618	8-719-979-64	DIODE	UF4005/23
D620	8-719-404-50	DIODE	MA111-TX
D621	6-500-181-01	DIODE	MA6D50
D628	8-719-404-50	DIODE	MA111-TX
D629	8-719-083-82	DIODE	UDZS-TE17-12B
D630	8-719-991-33	DIODE	1SS133T-77
D631	6-500-567-01	DIODE	10ERB20-TA1B2
D633	8-719-068-00	DIODE	ERC04-06SE
D634	8-719-991-33	DIODE	1SS133T-77
D643	8-719-032-12	DIODE	D1NS6
D644	8-719-979-64	DIODE	UF4005/23
D645	6-500-567-01	DIODE	10ERB20-TA1B2
D646	8-719-404-50	DIODE	MA111-TX
D647	6-500-567-01	DIODE	10ERB20-TA1B2
D648	8-719-063-70	DIODE	D1NL20U
D651	8-719-109-93	DIODE	RD6.2ESB2
D652	8-719-510-53	DIODE	D4SB60L

FUSE

⚠	F601	1-532-506-32	FUSE	6.3A	250V

FERRITE BEAD

FB501	1-412-911-11	FERRITE	0µH
FB502	1-412-911-11	FERRITE	0µH
FB503	1-412-911-11	FERRITE	0µH
FB505	1-412-911-11	FERRITE	0µH
FB602	1-412-911-11	FERRITE	0µH
FB604	1-412-911-11	FERRITE	0µH
FB613	1-410-397-21	FERRITE	1.1µH
FB614	1-412-911-11	FERRITE	0µH
FB616	1-412-911-11	FERRITE	0µH
FB617	1-412-911-11	FERRITE	0µH

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	FB650	1-412-911-11	FERRITE	0µH	
	FB651	1-412-911-11	FERRITE	0µH	
	FB652	1-412-911-11	FERRITE	0µH	
	FB653	1-412-911-11	FERRITE	0µH	
		FUSE HOLDER			
⚠	FH1	1-533-223-11	FUSE HOLDER	0A	0V
⚠	FH2	1-533-223-11	FUSE HOLDER	0A	0V
		IC			
	IC302	8-759-353-00	IC	NJM2534M(TE2)	
	IC400	6-706-033-01	IC	NJW1172GK1-TE2	
	IC401	6-705-054-01	IC	TDA8947J/N3	
	IC501	8-759-700-07	IC	NJM2903M	
⚠	IC561	6-703-470-01	IC	STV9302A	
	IC600	6-705-810-01	IC	MCZ3001DB	
	IC601	8-749-017-76	IC	DM-58M	
	IC609	8-759-653-07	IC	PQ09RD21J00H	
		JACK			
	J201	1-794-119-12	TERMINAL BLOCK, S	4P	
*	J206	1-817-461-12	PIN JACK BLOCK	5P	
*	J207	1-818-352-12	PIN JACK WITH DIN		
		CHIP CONDUCTOR			
	JR1	1-216-864-11	SHORT CHIP		
	JR3	1-216-864-11	SHORT CHIP		
	JR9	1-216-864-11	SHORT CHIP		
	JR10	1-216-864-11	SHORT CHIP		
	JR332	1-216-864-11	SHORT CHIP		
	JR334	1-216-864-11	SHORT CHIP		
	JR335	1-216-864-11	SHORT CHIP		
	JR405	1-216-864-11	SHORT CHIP		
	JR410	1-216-864-11	SHORT CHIP		
	JR411	1-216-864-11	SHORT CHIP		
	JR412	1-216-864-11	SHORT CHIP		
	JR414	1-216-864-11	SHORT CHIP		
	JR416	1-216-864-11	SHORT CHIP		
	JR421	1-216-864-11	SHORT CHIP		
	JR424	1-216-864-11	SHORT CHIP		
	JR501	1-216-864-11	SHORT CHIP		
	JR502	1-216-864-11	SHORT CHIP		
	JR622	1-216-864-11	SHORT CHIP		
	JR623	1-216-864-11	SHORT CHIP		
	JR624	1-216-864-11	SHORT CHIP		
	JR625	1-216-864-11	SHORT CHIP		
	JR626	1-216-864-11	SHORT CHIP		
		COIL			
	L003	1-414-856-11	INDUCTOR	10µH	
	L004	1-414-857-11	INDUCTOR	100µH	
	L009	1-414-857-11	INDUCTOR	100µH	
	L501	1-406-677-11	INDUCTOR	10MH	
	L502	1-412-552-11	INDUCTOR	2.2MH	
	L503	1-406-677-11	INDUCTOR	10MH	
	L510	1-406-981-21	INDUCTOR	470µH	
	L511	1-409-955-31	INDUCTOR	8MH	
	L515	1-412-529-11	INDUCTOR	22µH	
	L604	1-412-525-31	INDUCTOR	10µH	
	L605	1-412-911-11	FERRITE	0µH	
	L606	1-412-911-11	FERRITE	0µH	
	L608	1-412-529-11	INDUCTOR	22µH	
	L609	1-412-529-11	INDUCTOR	22µH	
		PHOTO COUPLER			
⚠	PH602	8-749-924-35	PHOTO COUPLER	ON3171-R	
	PH603	8-749-924-35	PHOTO COUPLER	ON3171-R	
		IC LINK			
	PS401	1-576-337-21	IC LINK	2.7A	50V
	PS609	1-532-984-11	IC LINK	2A	50V
		TRANSISTOR			
	Q005	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q300	8-729-600-22	TRANSISTOR	2SA1235-F	
	Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q403	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q412	8-729-120-28	TRANSISTOR	2SC1623-L5L6	

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AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES
	Q466	8-729-600-22	TRANSISTOR	2SA1235-F
	Q467	8-729-600-22	TRANSISTOR	2SA1235-F
	Q468	8-729-600-22	TRANSISTOR	2SA1235-F
	Q469	8-729-600-22	TRANSISTOR	2SA1235-F
	Q470	8-729-600-22	TRANSISTOR	2SA1235-F
	Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q501	8-729-140-50	TRANSISTOR	2SC3209LK
⚠	Q502	6-550-042-01	TRANSISTOR	2SD2627LS-YB11
	Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q511	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q512	8-729-809-29	TRANSISTOR	2SC4159-E
	Q530	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q531	8-729-600-22	TRANSISTOR	2SA1235-F
	Q532	6-550-362-01	TRANSISTOR	KTA1279
	Q561	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q562	8-729-600-22	TRANSISTOR	2SA1235-F
	Q564	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q583	8-729-600-22	TRANSISTOR	2SA1235-F
	Q600	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q601	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q604	8-729-600-22	TRANSISTOR	2SA1235-F
	Q605	8-729-140-96	TRANSISTOR	2SD774-34
	Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q608	8-729-922-37	TRANSISTOR	2SD2144S-UVW
	Q611	6-550-409-01	TRANSISTOR	KSC2383-O
	Q690	8-729-600-22	TRANSISTOR	2SA1235-F
	Q691	8-729-026-39	TRANSISTOR	2SA933AS-QT

RESISTOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R085	1-215-900-11	METAL OXIDE	22K	5%	2W
R086	1-216-839-11	METAL CHIP	33K	5%	1/10W
R087	1-216-837-11	METAL CHIP	22K	5%	1/10W
R089	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R099	1-216-809-11	METAL CHIP	100	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R202	1-216-813-11	METAL CHIP	220	5%	1/10W
R206	1-216-813-11	METAL CHIP	220	5%	1/10W
R207	1-216-845-11	METAL CHIP	100K	5%	1/10W
R208	1-216-813-11	METAL CHIP	220	5%	1/10W
R209	1-216-845-11	METAL CHIP	100K	5%	1/10W
R210	1-216-813-11	METAL CHIP	220	5%	1/10W
R217	1-216-845-11	METAL CHIP	100K	5%	1/10W
R218	1-216-845-11	METAL CHIP	100K	5%	1/10W
R219	1-216-813-11	METAL CHIP	220	5%	1/10W
R220	1-216-813-11	METAL CHIP	220	5%	1/10W
R222	1-216-845-11	METAL CHIP	100K	5%	1/10W
R223	1-216-813-11	METAL CHIP	220	5%	1/10W
R224	1-216-813-11	METAL CHIP	220	5%	1/10W
R225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R232	1-216-853-11	METAL CHIP	470K	5%	1/10W
R233	1-216-853-11	METAL CHIP	470K	5%	1/10W
R234	1-216-813-11	METAL CHIP	220	5%	1/10W
R235	1-216-813-11	METAL CHIP	220	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R302	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R303	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R369	1-216-864-11	SHORT CHIP			
R391	1-218-285-11	METAL CHIP	75	5%	1/10W
R393	1-218-285-11	METAL CHIP	75	5%	1/10W
R394	1-216-813-11	METAL CHIP	220	5%	1/10W
R395	1-216-813-11	METAL CHIP	220	5%	1/10W
R398	1-216-813-11	METAL CHIP	220	5%	1/10W
R400	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R403	1-247-807-31	CARBON	100	5%	1/4W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-249-393-11	CARBON	10	5%	1/4W
R408	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R409	1-216-864-11	SHORT CHIP			
R411	1-249-393-11	CARBON	10	5%	1/4W
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R422	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R425	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W

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AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R463	1-216-864-11	SHORT CHIP			
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R467	1-216-837-11	METAL CHIP	22K	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-837-11	METAL CHIP	22K	5%	1/10W
R470	1-216-837-11	METAL CHIP	22K	5%	1/10W
R471	1-216-837-11	METAL CHIP	22K	5%	1/10W
R472	1-249-441-11	CARBON	100K	5%	1/4W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W
R474	1-216-837-11	METAL CHIP	22K	5%	1/10W
R475	1-216-841-11	METAL CHIP	47K	5%	1/10W
R477	1-216-819-11	METAL CHIP	680	5%	1/10W
R478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R479	1-216-821-11	METAL CHIP	1K	5%	1/10W
R480	1-216-809-11	METAL CHIP	100	5%	1/10W
R481	1-216-864-11	SHORT CHIP			
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R484	1-249-429-11	CARBON	10K	5%	1/4W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R486	1-216-864-11	SHORT CHIP			
R487	1-216-864-11	SHORT CHIP			
R488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R489	1-216-864-11	SHORT CHIP			
R493	1-216-864-11	SHORT CHIP			
R494	1-216-864-11	SHORT CHIP			
R497	1-216-864-11	SHORT CHIP			
R499	1-216-864-11	SHORT CHIP			
R500	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-216-365-00	METAL OXIDE	0.47	5%	2W
R506	1-243-683-71	METAL OXIDE	47	5%	1W
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R509	1-260-320-11	CARBON	220	5%	1/2W
⚠ R510	1-215-886-11	METAL OXIDE	100	5%	2W
R512	1-215-910-00	METAL OXIDE	68	5%	3W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R521	1-216-815-11	METAL CHIP	330	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠ R523	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
⚠ R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R525	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
⚠ R528	1-218-853-11	METAL CHIP	1.8K	0.50%	1/10W
R529	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R530	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R532	1-218-842-11	METAL CHIP	620	0.50%	1/10W
R533	1-215-879-11	METAL OXIDE	47K	5%	1W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R536	1-260-288-11	CARBON	0.47	5%	1/2W
⚠ R537	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R541	1-216-841-11	METAL CHIP	47K	5%	1/10W
R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R543	1-249-377-11	CARBON	0.47	5%	1/4W
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R545	1-249-387-11	CARBON	3.3	5%	1/4W
R546	1-215-453-00	METAL	22K	1%	1/4W
R547	1-215-453-00	METAL	22K	1%	1/4W
R548	1-215-453-00	METAL	22K	1%	1/4W
R549	1-215-429-00	METAL	2.2K	1%	1/4W
R552	1-215-921-11	METAL OXIDE	4.7K	5%	3W
R553	1-249-377-11	CARBON	0.47	5%	1/4W
R559	1-216-805-11	METAL CHIP	47	5%	1/10W
R561	1-215-445-00	METAL	10K	1%	1/4W
⚠ R563	1-216-351-00	METAL OXIDE	1.5	5%	1W
R564	1-247-895-91	CARBON	470K	5%	1/4W
R565	1-215-889-00	METAL OXIDE	330	5%	2W
R566	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
⚠ R567	1-249-385-11	CARBON	2.2	5%	1/4W
R568	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R569	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R573	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R576	1-243-535-71	METAL OXIDE	220	5%	3W
R580	1-216-845-11	METAL CHIP	100K	5%	1/10W
R583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R584	1-249-429-11	CARBON	10K	5%	1/4W
R586	1-216-843-11	METAL CHIP	68K	5%	1/10W
R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R590	1-216-833-11	METAL CHIP	10K	5%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R591	1-249-377-11	CARBON	0.47	5%	1/4W
	R592	1-243-803-71	METAL OXIDE	0.33	5%	1W
	R593	1-249-417-11	CARBON	1K	5%	1/4W
	R594	1-249-429-11	CARBON	10K	5%	1/4W
	R595	1-247-891-00	CARBON	330K	5%	1/4W
	R596	1-249-441-11	CARBON	100K	5%	1/4W
	R597	1-216-864-11	SHORT CHIP			
	R598	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R609	1-205-997-31	CEMENTED	2.2	5%	10W
	R610	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W
	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R614	1-216-864-11	SHORT CHIP			
⚠	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	R616	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R618	1-216-864-11	SHORT CHIP			
	R619	1-249-377-11	CARBON	0.47	5%	1/4W
	R620	1-215-857-11	METAL OXIDE	10	5%	1W
	R625	1-216-817-11	METAL CHIP	470	5%	1/10W
	R626	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
	R628	1-260-131-11	CARBON	470K	5%	1/2W
	R629	1-245-478-21	METAL	470K	1%	1/4W
	R630	1-245-478-21	METAL	470K	1%	1/4W
	R631	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
	R632	1-218-823-11	METAL CHIP	100	0.50%	1/10W
	R640	1-249-417-11	CARBON	1K	5%	1/4W
	R643	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R644	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R645	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R646	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R647	1-211-992-11	METAL CHIP	91	0.50%	1/10W
	R648	1-216-864-11	SHORT CHIP			
	R650	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R651	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R655	1-240-303-31	CEMENTED	0.22	5%	10W
	R658	1-249-393-11	CARBON	10	5%	1/4W
	R659	1-249-393-11	CARBON	10	5%	1/4W

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R660	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R661	1-249-415-11	CARBON	680	5%	1/4W
	R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R668	1-249-413-11	CARBON	470	5%	1/4W
	R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R674	1-220-926-11	FUSIBLE	0.47	10%	1/2W
	R675	1-260-300-11	CARBON	4.7	5%	1/2W
	R678	1-260-300-11	CARBON	4.7	5%	1/2W
	R681	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R686	1-240-303-31	CEMENTED	0.22	5%	10W
	R687	1-220-797-11	CEMENTED	0.47	5%	10W
	R688	1-220-797-11	CEMENTED	0.47	5%	10W
	R690	1-249-389-11	CARBON	4.7	5%	1/4W
	R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R692	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R693	1-247-891-00	CARBON	330K	5%	1/4W
	R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R697	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R699	1-247-289-00	METAL	8.2M	5%	1W
	R932	1-218-285-11	METAL CHIP	75	5%	1/10W
	R934	1-218-285-11	METAL CHIP	75	5%	1/10W
	R953	1-218-285-11	METAL CHIP	75	5%	1/10W
	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W

RELAY

	RY501	1-755-198-11	RELAY, AC POWER
⚠	RY600	1-755-388-11	RELAY (AC POWER)
⚠	RY601	1-755-395-11	RELAY (AC POWER)

SWITCH

	S501	1-572-707-11	SWITCH, LEVER

TRANSFORMER

	T501	1-433-836-11	TRANSFORMER, HORIZONTAL DRIVE
⚠	T503	1-453-316-21	FBT ASSY NX-1748//X4A4
⚠	T505	1-435-079-21	TRANSFORMER, HORIZONTAL LINEAR
⚠	T601	1-443-402-11	TRANSFORMER, LINE FILTER
⚠	T604	1-437-606-12	COVERTER TRANSFORMER
	T655	1-437-851-11	TRANSFORMER ASSY, POWER (HST)

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES
	THERMISTOR		
TH501	1-800-193-00	THERMISTOR	
THP501	1-803-540-11	THERMISTOR	
THP600	1-803-586-11	THERMISTOR, NTC	
	TUNER		
⚠ TU001	8-598-593-70	TUNER, FSS BTF-WA421	
	VARISTOR		
⚠ VDR600	1-804-995-11	VARISTOR	
⚠ VDR601	1-803-614-11	VARISTOR	ENE471D-20A

REF. NO.	PART NO.	DESCRIPTION	VALUES

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES
AW			
AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310			
*	**Y-8284-843-A**	**PLACA AW MONTADA**	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
	Os componenetes de alta voltagem ligados ao FBT na placa AW nao estao incluidos e devem ser ser solicitados separadamente.		
⚠	1-251-715-22	CAP ASSY, HIGH-VOLTAGE	
⚠	1-900-800-82	WIRE ASSY, FOCUS	
⚠	1-900-803-22	WIRE ASSY, G2 LEAD	
	CAPACITOR		
C049	1-126-964-11	ELECT	10µF 20% 50V
C050	1-126-935-11	ELECT	470µF 20% 16V
C051	1-126-933-11	ELECT	100µF 20% 16V
C052	1-162-968-11	CERAMIC CHIP	0.0047µF 10% 50V
C053	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C054	1-126-967-11	ELECT	47µF 20% 50V
C055	1-126-933-11	ELECT	100µF 20% 16V
C056	1-135-834-91	CERAMIC CHIP	2.2µF 6.3V
C059	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C200	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C201	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C202	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C203	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C206	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C207	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C208	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C209	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C212	1-126-963-11	ELECT	4.7µF 20% 50V
C213	1-126-963-11	ELECT	4.7µF 20% 50V
C309	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C362	1-126-964-11	ELECT	10µF 20% 50V
C365	1-162-117-00	CERAMIC	100pF 10% 500V
C366	1-126-964-11	ELECT	10µF 20% 50V
C367	1-107-826-11	CERAMIC CHIP	0.1µF 10% 16V
C368	1-126-964-11	ELECT	10µF 20% 50V
C400	1-128-934-91	CERAMIC CHIP	0.33µF 20% 10V
C401	1-164-227-11	CERAMIC CHIP	0.022µF 10% 25V
C402	1-164-174-11	CERAMIC CHIP	0.0082µF 10% 25V
C403	1-162-967-11	CERAMIC CHIP	0.0033µF 10% 50V
C404	1-162-967-11	CERAMIC CHIP	0.0033µF 10% 50V
C405	1-164-677-11	CERAMIC CHIP	0.033µF 10% 16V
C406	1-164-677-11	CERAMIC CHIP	0.033µF 10% 16V
C407	1-162-965-11	CERAMIC CHIP	0.0015µF 10% 50V
C408	1-162-965-11	CERAMIC CHIP	0.0015µF 10% 50V
C409	1-127-715-91	CERAMIC CHIP	0.22µF 10% 16V
C410	1-127-715-91	CERAMIC CHIP	0.22µF 10% 16V
C411	1-128-934-91	CERAMIC CHIP	0.33µF 20% 10V
C412	1-126-961-11	ELECT	2.2µF 20% 50V
C413	1-126-963-11	ELECT	4.7µF 20% 50V
C414	1-126-960-11	ELECT	1µF 20% 50V
C415	1-126-963-11	ELECT	4.7µF 20% 50V
C416	1-126-960-11	ELECT	1µF 20% 50V
C417	1-115-416-11	CERAMIC CHIP	0.001µF 5% 25V
C418	1-126-963-11	ELECT	4.7µF 20% 50V
C420	1-126-960-11	ELECT	1µF 20% 50V
C422	1-126-947-11	ELECT	47µF 20% 35V
C424	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C425	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C426	1-162-966-11	CERAMIC CHIP	0.0022µF 10% 50V
C450	1-100-120-51	ELECT	1000µF 20% 35V
C451	1-137-194-81	FILM	0.47µF 5% 50V
C456	1-165-176-11	CERAMIC CHIP	0.047µF 10% 16V
C458	1-165-176-11	CERAMIC CHIP	0.047µF 10% 16V
C461	1-126-965-91	ELECT	22µF 20% 50V
C463	1-126-963-11	ELECT	4.7µF 20% 50V
C466	1-126-935-11	ELECT	470µF 20% 16V
C467	1-126-935-11	ELECT	470µF 20% 16V
C468	1-126-935-11	ELECT	470µF 20% 16V
C472	1-126-935-11	ELECT	470µF 20% 16V
C473	1-125-891-11	CERAMIC CHIP	0.47µF 10% 10V
C476	1-126-964-11	ELECT	10µF 20% 50V
C480	1-126-960-11	ELECT	1µF 20% 50V
C502	1-126-959-11	ELECT	0.47µF 20% 50V
C503	1-164-315-11	CERAMIC CHIP	470pF 5% 50V
C504	1-102-228-00	CERAMIC	470pF 10% 500V
C505	1-102-228-00	CERAMIC	470pF 10% 500V
C506	1-106-383-00	MYLAR	0.047µF 10% 200V
⚠ C507	1-162-116-00	CERAMIC	680pF 10% 2KV
⚠ C509	1-162-116-00	CERAMIC	680pF 10% 2KV
⚠ C510	1-137-150-11	FILM	0.01µF 5% 100V
⚠ C511	1-136-086-00	FILM	17000pF 3% 1.2KV
C512	1-164-315-11	CERAMIC CHIP	470pF 5% 50V
⚠ C513	1-129-722-00	FILM	0.047µF 5% 630V

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	C514	1-109-844-11	FILM	0.68µF	5%	400V
	C515	1-104-987-11	MYLAR	0.001µF	5%	200V
⚠	C516	1-115-521-11	FILM	0.82µF	5%	250V
	C517	1-107-649-11	ELECT	2.2µF	20%	250V
	C518	1-106-387-00	MYLAR	0.068µF	10%	200V
	C519	1-102-244-00	CERAMIC	220pF	10%	500V
	C520	1-165-136-11	CERAMIC	3300pF	10%	500V
	C522	1-126-960-11	ELECT	1µF	20%	50V
	C523	1-126-934-11	ELECT	220µF	20%	16V
	C525	1-102-244-00	CERAMIC	220pF	10%	500V
	C526	1-107-662-11	ELECT	22µF	20%	350V
⚠	C527	1-162-116-00	CERAMIC	680pF	10%	2KV
	C528	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	C529	1-104-662-91	ELECT	22µF	20%	25V
	C530	1-164-690-91	CERAMIC CHIP	0.0022µF	5%	50V
	C531	1-126-965-91	ELECT	22µF	20%	50V
	C532	1-126-965-91	ELECT	22µF	20%	50V
	C534	1-126-967-11	ELECT	47µF	20%	50V
	C535	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C537	1-126-941-11	ELECT	470µF	20%	25V
	C539	1-126-941-11	ELECT	470µF	20%	25V
	C540	1-131-867-51	ELECT	100µF		160V
	C541	1-128-560-11	ELECT	22µF	20%	100V
	C545	1-106-387-00	MYLAR	0.068µF	10%	200V
⚠	C553	1-117-412-11	FILM	0.24µF	5%	250V
⚠	C554	1-117-629-11	FILM	2700pF	3%	1.2KV
	C561	1-126-967-11	ELECT	47µF	20%	50V
	C563	1-104-666-11	ELECT	220µF	20%	25V
	C565	1-126-969-11	ELECT	220µF	20%	50V
	C568	1-137-190-91	FILM	0.22µF	5%	50V
⚠	C581	1-165-529-11	MYLAR	0.22µF	10	275V
	C588	1-130-491-00	MYLAR	0.047µF	5%	50V
	C590	1-126-964-11	ELECT	10µF	20%	50V
	C600	1-117-703-11	CERAMIC	0.0047µF	99%	250V
	C602	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C604	1-164-625-11	CERAMIC	680pF	10%	500V
⚠	C605	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C606	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C608	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C609	1-164-625-11	CERAMIC	680pF	10%	500V
	C611	1-104-665-11	ELECT	100µF	20%	25V
	C612	1-104-665-11	ELECT	100µF	20%	25V
	C616	1-126-943-11	ELECT	2200µF	20%	25V
	C617	1-123-024-21	ELECT	33µF		160V

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C621	1-117-894-11	ELECT	560µF	20%	250V
⚠	C622	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C629	1-117-894-11	ELECT	560µF	20%	250V
	C632	1-126-943-11	ELECT	2200µF	20%	25V
	C633	1-136-479-11	FILM	0.001µF	5%	100V
	C634	1-126-964-11	ELECT	10µF	20%	50V
	C635	1-126-963-11	ELECT	4.7µF	20%	50V
	C637	1-136-165-00	FILM	0.1µF	5%	50V
	C638	1-126-943-11	ELECT	2200µF	20%	25V
	C642	1-126-969-11	ELECT	220µF	20%	50V
	C643	1-136-165-00	FILM	0.1µF	5%	50V
	C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	C647	1-126-947-11	ELECT	47µF	20%	35V
	C648	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C649	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C650	1-100-120-51	ELECT	1000µF	20%	35V
	C651	1-126-943-11	ELECT	2200µF	20%	25V
	C652	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C653	1-126-964-11	ELECT	10µF	20%	50V
	C661	1-126-947-11	ELECT	47µF	20%	35V
	C669	1-164-625-11	CERAMIC	680pF	10%	500V
	C670	1-164-625-11	CERAMIC	680pF	10%	500V
	C672	1-165-953-11	FILM	47000pF	3%	800V
	C675	1-107-674-91	ELECT	0.47µF	20%	450V
	C676	1-107-680-91	ELECT	22µF	20%	450V
	C677	1-104-662-91	ELECT	22µF	20%	25V
	C678	1-104-665-11	ELECT	100µF	20%	25V
	C690	1-126-942-61	ELECT	1000µF	20%	25V

CONNECTOR

*	CN401	1-564-507-11	PLUG, CONNECTOR	4P
*	CN501	1-580-798-11	CONNECTOR PIN (DY)	6P
*	CN503	1-564-510-11	PLUG, CONNECTOR	7P
*	CN505	1-785-879-21	ONE TOUCH CONNECTOR	
*	CN508	1-508-765-00	PIN, CONNECTOR (5MM PITCH)	3P
*⚠	CN600	1-580-843-11	PIN, CONNECTOR (POWER)	
	CN601	1-695-915-11	TAB (CONTACT)	

DIODE

D009	8-719-982-22	DIODE	MTZJ-30D
D200	8-719-069-60	DIODE	UDZSTE-179.1B

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES
D201	8-719-069-60	DIODE	UDZSTE-179.1B
D209	8-719-069-60	DIODE	UDZSTE-179.1B
D210	8-719-069-60	DIODE	UDZSTE-179.1B
D211	8-719-069-60	DIODE	UDZSTE-179.1B
D212	8-719-069-60	DIODE	UDZSTE-179.1B
D213	8-719-510-02	DIODE	D1NS4
D218	8-719-929-15	DIODE	HZS9.1NB2
D219	8-719-929-15	DIODE	HZS9.1NB2
D305	8-719-070-62	DIODE	PDZ9.1B-115
D306	8-719-070-62	DIODE	PDZ9.1B-115
D307	8-719-070-62	DIODE	PDZ9.1B-115
D308	8-719-977-28	DIODE	DTZ10B
D309	8-719-069-60	DIODE	UDZSTE-179.1B
D310	8-719-108-12	DIODE	RD9.1EW
D311	8-719-069-60	DIODE	UDZSTE-179.1B
D324	8-719-069-60	DIODE	UDZSTE-179.1B
D325	8-719-069-60	DIODE	UDZSTE-179.1B
D400	8-719-404-50	DIODE	MA111-TX
D405	8-719-404-50	DIODE	MA111-TX
D414	8-719-921-63	DIODE	MTZJ-7.5B
D418	1-216-864-11	SHORT CHIP	
D422	1-216-809-11	METAL CHIP	100 5% 1/10W
D423	8-719-404-50	DIODE	MA111-TX
D424	8-719-404-50	DIODE	MA111-TX
D425	8-719-056-84	DIODE	UDZ-TE-17-7.5B
D500	8-719-081-00	DIODE	BY228/A52A/
D501	8-719-404-50	DIODE	MA111-TX
⚠ D503	8-719-081-00	DIODE	BY228/A52A/
D504	6-500-485-01	DIODE	FR305G-EB
D505	8-719-908-03	DIODE	GP08D
D506	8-719-908-03	DIODE	GP08D
D508	8-719-404-50	DIODE	MA111-TX
D509	8-719-404-50	DIODE	MA111-TX
⚠ D515	8-719-075-41	DIODE	PR1004GT
D516	8-719-404-50	DIODE	MA111-TX
D518	8-719-404-50	DIODE	MA111-TX
⚠ D519	8-719-302-43	DIODE	EL1Z
D520	8-719-404-50	DIODE	MA111-TX
D521	8-719-921-63	DIODE	MTZJ-7.5B
D522	8-719-404-50	DIODE	MA111-TX
D525	8-719-404-50	DIODE	MA111-TX
D526	8-719-404-50	DIODE	MA111-TX
⚠ D530	6-500-531-01	DIODE	PG154R
D531	6-500-531-01	DIODE	PG154R

REF. NO.	PART NO.	DESCRIPTION	VALUES
D534	8-719-074-25	DIODE	PG104R
D535	8-719-404-50	DIODE	MA111-TX
D551	8-719-069-55	DIODE	UDZSTE-175.6B
D561	8-719-075-33	DIODE	1N4003GA
D580	8-719-991-33	DIODE	1SS133T-77
D588	8-719-404-50	DIODE	MA111-TX
D589	8-719-404-50	DIODE	MA111-TX
D590	8-719-404-50	DIODE	MA111-TX
D600	8-719-510-53	DIODE	D4SB60L
D611	8-719-062-40	DIODE	D4SBL20UF3
D612	8-719-068-00	DIODE	ERC04-06SE
D613	8-719-068-00	DIODE	ERC04-06SE
D614	8-719-057-52	DIODE	EZ0150AV1
D615	8-719-062-40	DIODE	D4SBL20UF3
D618	8-719-979-64	DIODE	UF4005/23
D620	8-719-404-50	DIODE	MA111-TX
D621	6-500-181-01	DIODE	MA6D50
D628	8-719-404-50	DIODE	MA111-TX
D629	8-719-083-82	DIODE	UDZS-TE17-12B
D630	8-719-991-33	DIODE	1SS133T-77
D631	6-500-567-01	DIODE	10ERB20-TA1B2
D633	8-719-068-00	DIODE	ERC04-06SE
D634	8-719-991-33	DIODE	1SS133T-77
D643	8-719-032-12	DIODE	D1NS6
D644	8-719-979-64	DIODE	UF4005/23
D645	6-500-567-01	DIODE	10ERB20-TA1B2
D646	8-719-404-50	DIODE	MA111-TX
D647	6-500-567-01	DIODE	10ERB20-TA1B2
D648	8-719-063-70	DIODE	D1NL20U
D651	8-719-109-93	DIODE	RD6.2ESB2
D652	8-719-510-53	DIODE	D4SB60L

FUSE

⚠ F601	1-532-506-32	FUSE	6.3A	250V

FERRITE BEAD

FB501	1-412-911-11	FERRITE	0μH
FB502	1-412-911-11	FERRITE	0μH
FB503	1-412-911-11	FERRITE	0μH
FB505	1-412-911-11	FERRITE	0μH
FB602	1-412-911-11	FERRITE	0μH

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	FB604	1-412-911-11	FERRITE	0µH	
	FB613	1-410-397-21	FERRITE	1.1µH	
	FB614	1-412-911-11	FERRITE	0µH	
	FB616	1-412-911-11	FERRITE	0µH	
	FB617	1-412-911-11	FERRITE	0µH	
	FB650	1-412-911-11	FERRITE	0µH	
	FB651	1-412-911-11	FERRITE	0µH	
	FB652	1-412-911-11	FERRITE	0µH	
	FB653	1-412-911-11	FERRITE	0µH	
	FUSE HOLDER				
⚠	FH1	1-533-223-11	FUSE HOLDER	0A	0V
⚠	FH2	1-533-223-11	FUSE HOLDER	0A	0V
	IC				
	IC302	8-759-353-00	IC	NJM2534M(TE2)	
	IC400	6-706-033-01	IC	NJW1172GK1-TE2	
	IC401	6-705-054-01	IC	TDA8947J/N3	
	IC501	8-759-700-07	IC	NJM2903M	
⚠	IC561	8-759-980-58	IC	TDA8172	
	IC600	6-705-810-01	IC	MCZ3001DB	
	IC601	8-749-017-76	IC	DM-58M	
	IC609	8-759-653-07	IC	PQ09RD21J00H	
	JACK				
*	J201	1-818-351-11	S TERMINAL BLOCK		
*	J206	1-817-461-12	PIN JACK BLOCK	5P	
*	J207	1-818-352-12	PIN JACK WITH DIN		
	CHIP CONDUCTOR				
	JR1	1-216-864-11	SHORT CHIP		
	JR3	1-216-864-11	SHORT CHIP		
	JR9	1-216-864-11	SHORT CHIP		
	JR10	1-216-864-11	SHORT CHIP		
	JR332	1-216-864-11	SHORT CHIP		
	JR334	1-216-864-11	SHORT CHIP		
	JR335	1-216-864-11	SHORT CHIP		
	JR405	1-216-864-11	SHORT CHIP		
	JR410	1-216-864-11	SHORT CHIP		
	JR411	1-216-864-11	SHORT CHIP		
	JR412	1-216-864-11	SHORT CHIP		
	JR414	1-216-864-11	SHORT CHIP		
	JR416	1-216-864-11	SHORT CHIP		
	JR421	1-216-864-11	SHORT CHIP		
	JR424	1-216-864-11	SHORT CHIP		
	JR501	1-216-864-11	SHORT CHIP		
	JR502	1-216-864-11	SHORT CHIP		
	JR622	1-216-864-11	SHORT CHIP		
	JR623	1-216-864-11	SHORT CHIP		
	JR624	1-216-864-11	SHORT CHIP		
	JR625	1-216-864-11	SHORT CHIP		
	JR626	1-216-864-11	SHORT CHIP		
	COIL				
	L003	1-414-856-11	INDUCTOR	10µH	
	L004	1-414-857-11	INDUCTOR	100µH	
	L009	1-414-857-11	INDUCTOR	100µH	
	L501	1-406-677-11	INDUCTOR	10MH	
	L502	1-412-552-11	INDUCTOR	2.2MH	
	L503	1-406-677-11	INDUCTOR	10MH	
⚠	L505	1-419-714-11	INDUCTOR	100µH	
	L511	1-409-955-31	INDUCTOR	8MH	
	L515	1-412-529-11	INDUCTOR	22µH	
	L517	1-412-552-11	INDUCTOR	2.2MH	
	L604	1-412-525-31	INDUCTOR	10µH	
	L605	1-412-911-11	FERRITE	0µH	
	L606	1-412-911-11	FERRITE	0µH	
	L608	1-412-529-11	INDUCTOR	22µH	
	L609	1-412-529-11	INDUCTOR	22µH	
	PHOTO COUPLER				
⚠	PH602	8-749-924-35	PHOTO COUPLER	ON3171-R	
	PH603	8-749-924-35	PHOTO COUPLER	ON3171-R	
	IC LINK				
	PS401	1-576-337-21	IC LINK	2.7A	50V
	PS609	1-532-984-11	IC LINK	2A	50V
	TRANSISTOR				
	Q005	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
	Q300	8-729-600-22	TRANSISTOR	2SA1235-F	

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES
	Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q403	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q412	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q466	8-729-600-22	TRANSISTOR	2SA1235-F
	Q467	8-729-600-22	TRANSISTOR	2SA1235-F
	Q468	8-729-600-22	TRANSISTOR	2SA1235-F
	Q469	8-729-600-22	TRANSISTOR	2SA1235-F
	Q470	8-729-600-22	TRANSISTOR	2SA1235-F
	Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q501	8-729-140-50	TRANSISTOR	2SC3209LK
⚠	Q502	6-550-107-01	TRANSISTOR	2SD2645-YB
	Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q511	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q512	8-729-809-29	TRANSISTOR	2SC4159-E
	Q530	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q531	8-729-600-22	TRANSISTOR	2SA1235-F
	Q532	6-550-362-01	TRANSISTOR	KTA1279
	Q561	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q562	8-729-600-22	TRANSISTOR	2SA1235-F
	Q564	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q583	8-729-600-22	TRANSISTOR	2SA1235-F
	Q600	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q601	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q604	8-729-600-22	TRANSISTOR	2SA1235-F
	Q605	8-729-140-96	TRANSISTOR	2SD774-34
	Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q608	8-729-922-37	TRANSISTOR	2SD2144S-UVW
	Q611	6-550-409-01	TRANSISTOR	KSC2383-O
	Q690	8-729-600-22	TRANSISTOR	2SA1235-F
	Q691	8-729-026-39	TRANSISTOR	2SA933AS-QT

RESISTOR

R085	1-215-900-11	METAL OXIDE	22K	5%	2W
R086	1-216-839-11	METAL CHIP	33K	5%	1/10W
R087	1-216-837-11	METAL CHIP	22K	5%	1/10W
R089	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R099	1-216-809-11	METAL CHIP	100	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R202	1-216-813-11	METAL CHIP	220	5%	1/10W
R206	1-216-813-11	METAL CHIP	220	5%	1/10W
R207	1-216-845-11	METAL CHIP	100K	5%	1/10W
R208	1-216-813-11	METAL CHIP	220	5%	1/10W
R209	1-216-845-11	METAL CHIP	100K	5%	1/10W
R210	1-216-813-11	METAL CHIP	220	5%	1/10W
R217	1-216-845-11	METAL CHIP	100K	5%	1/10W
R218	1-216-845-11	METAL CHIP	100K	5%	1/10W
R219	1-216-813-11	METAL CHIP	220	5%	1/10W
R220	1-216-813-11	METAL CHIP	220	5%	1/10W
R222	1-216-845-11	METAL CHIP	100K	5%	1/10W
R223	1-216-813-11	METAL CHIP	220	5%	1/10W
R224	1-216-813-11	METAL CHIP	220	5%	1/10W
R225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R232	1-216-853-11	METAL CHIP	470K	5%	1/10W
R233	1-216-853-11	METAL CHIP	470K	5%	1/10W
R234	1-216-813-11	METAL CHIP	220	5%	1/10W
R235	1-216-813-11	METAL CHIP	220	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R302	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R303	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R367	1-216-864-11	SHORT CHIP			
R369	1-216-864-11	SHORT CHIP			
R390	1-216-813-11	METAL CHIP	220	5%	1/10W
R391	1-218-285-11	METAL CHIP	75	5%	1/10W
R393	1-218-285-11	METAL CHIP	75	5%	1/10W
R394	1-216-813-11	METAL CHIP	220	5%	1/10W
R395	1-216-813-11	METAL CHIP	220	5%	1/10W
R396	1-216-813-11	METAL CHIP	220	5%	1/10W
R397	1-216-813-11	METAL CHIP	220	5%	1/10W
R398	1-216-813-11	METAL CHIP	220	5%	1/10W
R400	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R403	1-247-807-31	CARBON	100	5%	1/4W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-249-393-11	CARBON	10	5%	1/4W
R408	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R409	1-216-864-11	SHORT CHIP			

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R411	1-249-393-11	CARBON	10	5%	1/4W
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R422	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R425	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W
R463	1-216-864-11	SHORT CHIP			
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R467	1-216-837-11	METAL CHIP	22K	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-837-11	METAL CHIP	22K	5%	1/10W
R470	1-216-837-11	METAL CHIP	22K	5%	1/10W
R471	1-216-837-11	METAL CHIP	22K	5%	1/10W
R472	1-249-441-11	CARBON	100K	5%	1/4W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W
R474	1-216-837-11	METAL CHIP	22K	5%	1/10W
R475	1-216-841-11	METAL CHIP	47K	5%	1/10W
R477	1-216-819-11	METAL CHIP	680	5%	1/10W
R478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R479	1-216-821-11	METAL CHIP	1K	5%	1/10W
R480	1-216-809-11	METAL CHIP	100	5%	1/10W
R481	1-216-864-11	SHORT CHIP			
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R484	1-249-429-11	CARBON	10K	5%	1/4W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R486	1-216-864-11	SHORT CHIP			
R487	1-216-864-11	SHORT CHIP			
R488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R489	1-216-864-11	SHORT CHIP			
R493	1-216-864-11	SHORT CHIP			
R494	1-216-864-11	SHORT CHIP			
R497	1-216-864-11	SHORT CHIP			
R499	1-216-864-11	SHORT CHIP			
R500	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-243-608-71	METAL OXIDE	1.5K	5%	3W
R506	1-243-683-71	METAL OXIDE	47	5%	1W
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R509	1-260-328-11	CARBON	1K	5%	1/2W
⚠ R510	1-215-908-00	METAL OXIDE	33	5%	3W
R512	1-243-535-71	METAL OXIDE	220	5%	3W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R520	1-243-531-71	METAL OXIDE	100	5%	3W
R521	1-216-815-11	METAL CHIP	330	5%	1/10W
⚠ R523	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
⚠ R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R525	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
⚠ R528	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R529	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R530	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R531	1-218-901-11	METAL CHIP	180K	0.50%	1/10W
R532	1-216-810-11	METAL CHIP	120	5%	1/10W
R533	1-215-879-11	METAL OXIDE	47K	5%	1W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R536	1-260-288-11	CARBON	0.47	5%	1/2W
⚠ R537	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R541	1-216-841-11	METAL CHIP	47K	5%	1/10W
R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R543	1-249-377-11	CARBON	0.47	5%	1/4W
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R545	1-249-387-11	CARBON	3.3	5%	1/4W
R546	1-215-453-00	METAL	22K	1%	1/4W
R547	1-215-445-00	METAL	10K	1%	1/4W
R548	1-215-453-00	METAL	22K	1%	1/4W
R549	1-215-429-00	METAL	2.2K	1%	1/4W
⚠ R550	1-249-377-11	CARBON	0.47	5%	1/4W
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W
R552	1-243-608-71	METAL OXIDE	1.5K	5%	3W
⚠ R553	1-249-377-11	CARBON	0.47	5%	1/4W
R559	1-216-805-11	METAL CHIP	47	5%	1/10W
R561	1-215-445-00	METAL	10K	1%	1/4W
⚠ R563	1-214-798-21	METAL	1.8	1%	1/2W
R564	1-247-895-91	CARBON	470K	5%	1/4W

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R565	1-215-889-00	METAL OXIDE	330	5%	2W
	R566	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
⚠	R567	1-249-385-11	CARBON	2.2	5%	1/4W
	R568	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R569	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
	R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R571	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R572	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R573	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
⚠	R574	1-214-798-21	METAL	1.8	1%	1/2W
	R576	1-243-523-71	METAL OXIDE	22	5%	3W
	R580	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R584	1-249-429-11	CARBON	10K	5%	1/4W
	R586	1-216-843-11	METAL CHIP	68K	5%	1/10W
	R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R590	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R592	1-243-803-71	METAL OXIDE	0.33	5%	1W
	R593	1-249-417-11	CARBON	1K	5%	1/4W
	R594	1-249-429-11	CARBON	10K	5%	1/4W
	R595	1-247-891-00	CARBON	330K	5%	1/4W
	R596	1-249-441-11	CARBON	100K	5%	1/4W
	R597	1-216-864-11	SHORT CHIP			
	R598	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R609	1-202-968-11	CEMENTED	1.2	5%	10W
	R610	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W
	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R614	1-216-864-11	SHORT CHIP			
⚠	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	R616	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R618	1-216-864-11	SHORT CHIP			
	R619	1-249-377-11	CARBON	0.47	5%	1/4W
	R620	1-215-857-11	METAL OXIDE	10	5%	1W
	R625	1-216-817-11	METAL CHIP	470	5%	1/10W
	R626	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
	R628	1-260-131-11	CARBON	470K	5%	1/2W

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R629	1-245-478-21	METAL	470K	1%	1/4W
	R630	1-245-478-21	METAL	470K	1%	1/4W
	R631	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
	R632	1-218-823-11	METAL CHIP	100	0.50%	1/10W
	R640	1-249-417-11	CARBON	1K	5%	1/4W
	R643	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R644	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R645	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R646	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R647	1-211-992-11	METAL CHIP	91	0.50%	1/10W
	R648	1-216-864-11	SHORT CHIP			
	R650	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R651	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R655	1-240-303-31	CEMENTED	0.22	5%	10W
	R658	1-249-393-11	CARBON	10	5%	1/4W
	R659	1-249-393-11	CARBON	10	5%	1/4W
	R660	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R661	1-249-415-11	CARBON	680	5%	1/4W
	R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R668	1-249-413-11	CARBON	470	5%	1/4W
	R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R674	1-220-926-11	FUSIBLE	0.47	10%	1/2W
	R675	1-260-300-11	CARBON	4.7	5%	1/2W
	R678	1-260-300-11	CARBON	4.7	5%	1/2W
	R681	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R686	1-240-303-31	CEMENTED	0.22	5%	10W
	R687	1-220-797-11	CEMENTED	0.47	5%	10W
	R688	1-220-797-11	CEMENTED	0.47	5%	10W
	R690	1-249-389-11	CARBON	4.7	5%	1/4W
	R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R692	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R693	1-247-891-00	CARBON	330K	5%	1/4W
	R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R697	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R699	1-247-289-00	METAL	8.2M	5%	1W
	R932	1-218-285-11	METAL CHIP	75	5%	1/10W
	R934	1-218-285-11	METAL CHIP	75	5%	1/10W
	R953	1-218-285-11	METAL CHIP	75	5%	1/10W
	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FA310

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		RELAY		
	RY501	1-755-198-11	RELAY, AC POWER	
⚠	RY600	1-755-388-11	RELAY (AC POWER)	
⚠	RY601	1-755-395-11	RELAY (AC POWER)	
		SWITCH		
	S501	1-572-707-11	SWITCH, LEVER	
	S502	1-572-707-11	SWITCH, LEVER	
		TRANSFORMER		
	T501	1-433-836-11	TRANSFORMER, HORIZONTAL DRIVE	
⚠	T502	1-435-869-11	TRANFORMER, FERRITE (PMT)	
⚠	T503	1-453-310-11	FBT ASSY NX-4521//X4J4	
⚠	T505	1-433-850-11	TRANSFORMER, HORIZONTAL LINEAR	
⚠	T601	1-443-402-11	TRANSFORMER, LINE FILTER	
⚠	T604	1-437-606-12	COVERTER TRANSFORMER	
	T655	1-437-851-11	TRANSFORMER ASSY, POWER (HST)	
		THERMISTOR		
	TH501	1-800-193-00	THERMISTOR	
	THP501	1-803-540-11	THERMISTOR	
	THP600	1-803-586-11	THERMISTOR, NTC	
		TUNER		
⚠	TU001	8-598-593-70	TUNER, FSS BTF-WA421	
		VARISTOR		
⚠	VDR600	1-804-995-11	VARISTOR	
⚠	VDR601	1-803-614-11	VARISTOR	ENE471D-20A

REF. NO.	PART NO.	DESCRIPTION	VALUES

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

Y-8284-861-A	**PLACA AW MONTADA**	
4-382-854-11	SCREW (M3X10), P, SW (+)	

Os componenetes de alta voltagem ligados ao FBT na placa AW nao estao incluidos e devem ser ser solicitados separadamente.

⚠	1-251-642-52	CAP ASSY, HIGH-VOLTAGE
⚠	1-900-800-65	CONNECTOR ASSY, FOCUS LEAD
⚠	1-900-803-22	WIRE ASSY, G2 LEAD

CAPACITOR

C049	1-126-964-11	ELECT	10µF	20%	50V
C050	1-126-935-11	ELECT	470µF	20%	16V
C051	1-126-933-11	ELECT	100µF	20%	16V
C052	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C053	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C054	1-126-967-11	ELECT	47µF	20%	50V
C055	1-126-933-11	ELECT	100µF	20%	16V
C056	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C059	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C200	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C201	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C202	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C203	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C208	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C209	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C362	1-126-964-11	ELECT	10µF	20%	50V
C365	1-164-625-11	CERAMIC	680pF	10%	500V
C368	1-126-964-11	ELECT	10µF	20%	50V
C401	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C407	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C408	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C409	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C410	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C411	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C412	1-126-957-11	ELECT	0.22µF	20%	50V
C413	1-126-960-11	ELECT	1µF	20%	50V
C414	1-126-960-11	ELECT	1µF	20%	50V
C415	1-126-960-11	ELECT	1µF	20%	50V
C416	1-126-960-11	ELECT	1µF	20%	50V
C417	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C418	1-126-963-11	ELECT	4.7µF	20%	50V
C419	1-126-960-11	ELECT	1µF	20%	50V
C420	1-126-960-11	ELECT	1µF	20%	50V
C422	1-126-947-11	ELECT	47µF	20%	35V
C424	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C426	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C450	1-100-120-51	ELECT	1000µF	20%	35V
C451	1-137-194-81	FILM	0.47µF	5%	50V
C456	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C458	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C461	1-126-965-91	ELECT	22µF	20%	50V
C463	1-126-963-11	ELECT	4.7µF	20%	50V
C466	1-126-935-11	ELECT	470µF	20%	16V
C467	1-126-935-11	ELECT	470µF	20%	16V
C468	1-126-935-11	ELECT	470µF	20%	16V
C472	1-126-935-11	ELECT	470µF	20%	16V
C473	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C476	1-126-964-11	ELECT	10µF	20%	50V
C480	1-126-960-11	ELECT	1µF	20%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V
C503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C504	1-102-228-00	CERAMIC	470pF	10%	500V
C505	1-102-228-00	CERAMIC	470pF	10%	500V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V
⚠ C507	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C509	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C510	1-137-150-11	FILM	0.01µF	5%	100V
⚠ C511	1-117-642-11	FILM	8200pF	3%	1.2KV
C512	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
⚠ C513	1-129-722-00	FILM	0.047µF	5%	630V
⚠ C514	1-115-521-11	FILM	0.82µF	5%	250V
C515	1-104-987-11	MYLAR	0.001µF	5%	200V
⚠ C516	1-115-519-11	FILM	0.56µF	5%	250V
C517	1-107-651-11	ELECT	4.7µF	20%	250V
C518	1-106-383-00	MYLAR	0.047µF	10%	200V
C519	1-102-244-00	CERAMIC	220pF	10%	500V
C520	1-164-646-11	CERAMIC	2200pF	10%	500V
C522	1-126-960-11	ELECT	1µF	20%	50V
C523	1-126-934-11	ELECT	220µF	20%	16V
C525	1-102-244-00	CERAMIC	220pF	10%	500V
C526	1-107-662-11	ELECT	22µF	20%	350V
⚠ C527	1-162-116-00	CERAMIC	680pF	10%	2KV

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C528	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	C529	1-104-662-91	ELECT	22µF	20%	25V
	C531	1-107-635-11	ELECT	4.7µF	20%	160V
	C532	1-126-963-11	ELECT	4.7µF	20%	50V
	C534	1-126-967-11	ELECT	47µF	20%	50V
	C535	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C537	1-126-941-11	ELECT	470µF	20%	25V
	C539	1-126-941-11	ELECT	470µF	20%	25V
	C540	1-131-867-51	ELECT	100µF	160V	3100
	C541	1-128-560-11	ELECT	22µF	20%	100V
	C545	1-106-387-00	MYLAR	0.068µF	10%	200V
	C548	1-100-831-91	CERAMIC CHIP	0.001µF	2%	50V
	C549	1-100-831-91	CERAMIC CHIP	0.001µF	2%	50V
⚠	C554	1-117-214-11	CERAMIC	0.001µF	10%	2KV
	C561	1-126-967-11	ELECT	47µF	20%	50V
	C563	1-104-666-11	ELECT	220µF	20%	25V
	C565	1-126-969-11	ELECT	220µF	20%	50V
	C568	1-137-190-91	FILM	0.22µF	5%	50V
⚠	C581	1-165-529-11	MYLAR	0.22µF	10	275V
	C588	1-130-491-00	MYLAR	0.047µF	5%	50V
	C590	1-126-964-11	ELECT	10µF	20%	50V
	C600	1-117-703-11	CERAMIC	0.0047µF	99%	250V
	C602	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C604	1-164-625-11	CERAMIC	680pF	10%	500V
⚠	C605	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C606	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C608	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C609	1-164-625-11	CERAMIC	680pF	10%	500V
	C611	1-104-665-11	ELECT	100µF	20%	25V
	C612	1-104-665-11	ELECT	100µF	20%	25V
	C616	1-126-943-11	ELECT	2200µF	20%	25V
	C617	1-123-024-21	ELECT	33µF		160V
	C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C621	1-117-893-11	ELECT	470µF	20%	250V
⚠	C622	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C629	1-117-893-11	ELECT	470µF	20%	250V
	C632	1-126-943-11	ELECT	2200µF	20%	25V
	C633	1-136-479-11	FILM	0.001µF	5%	100V
	C634	1-126-964-11	ELECT	10µF	20%	50V
	C635	1-126-963-11	ELECT	4.7µF	20%	50V
	C637	1-136-165-00	FILM	0.1µF	5%	50V
	C638	1-126-943-11	ELECT	2200µF	20%	25V
	C642	1-126-969-11	ELECT	220µF	20%	50V
	C643	1-136-165-00	FILM	0.1µF	5%	50V
	C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	C647	1-126-947-11	ELECT	47µF	20%	35V
	C648	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C649	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C650	1-100-120-51	ELECT	1000µF	20%	35V
	C651	1-126-943-11	ELECT	2200µF	20%	25V
	C652	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C653	1-126-964-11	ELECT	10µF	20%	50V
	C661	1-126-947-11	ELECT	47µF	20%	35V
	C669	1-164-625-11	CERAMIC	680pF	10%	500V
	C670	1-164-625-11	CERAMIC	680pF	10%	500V
	C672	1-165-953-11	FILM	47000pF	3%	800V
	C675	1-107-674-91	ELECT	0.47µF	20%	450V
	C676	1-107-680-91	ELECT	22µF	20%	450V
	C677	1-104-662-91	ELECT	22µF	20%	25V
	C678	1-104-665-11	ELECT	100µF	20%	25V
	C690	1-126-942-61	ELECT	1000µF	20%	25V

CONNECTOR

*	CN401	1-564-507-11	PLUG, CONNECTOR	4P	
*	CN501	1-580-798-11	CONNECTOR PIN (DY)	6P	
*	CN503	1-564-510-11	PLUG, CONNECTOR	7P	
*	CN508	1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P	
*⚠	CN600	1-580-843-11	PIN, CONNECTOR (POWER)		
	CN601	1-695-915-11	TAB (CONTACT)		

DIODE

	D009	8-719-982-22	DIODE	MTZJ-30D	
	D200	8-719-069-60	DIODE	UDZSTE-179.1B	
	D201	8-719-069-60	DIODE	UDZSTE-179.1B	
	D211	8-719-069-60	DIODE	UDZSTE-179.1B	
	D212	8-719-069-60	DIODE	UDZSTE-179.1B	
	D213	8-719-510-02	DIODE	D1NS4	3100
	D308	8-719-977-28	DIODE	DTZ10B	3100
	D309	8-719-069-60	DIODE	UDZSTE-179.1B	
	D310	8-719-108-12	DIODE	RD9.1EW	3100
	D311	8-719-069-60	DIODE	UDZSTE-179.1B	
	D324	8-719-069-60	DIODE	UDZSTE-179.1B	
	D325	8-719-069-60	DIODE	UDZSTE-179.1B	
	D400	8-719-404-50	DIODE	MA111-TX	3100
	D405	8-719-404-50	DIODE	MA111-TX	3100
	D422	1-216-809-11	METAL CHIP	100 5%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES
D423	8-719-404-50	DIODE	MA111-TX
D424	8-719-404-50	DIODE	MA111-TX
D425	8-719-056-84	DIODE	UDZ-TE-17-7.5B
D500	8-719-081-00	DIODE	BY228/A52A/
D501	8-719-404-50	DIODE	MA111-TX
D504	6-500-485-01	DIODE	FR305G-EB
D505	8-719-908-03	DIODE	GP08D
D506	8-719-908-03	DIODE	GP08D
D508	8-719-404-50	DIODE	MA111-TX
D509	8-719-404-50	DIODE	MA111-TX
D515	8-719-075-41	DIODE	PR1004GT
D516	8-719-404-50	DIODE	MA111-TX
D518	8-719-404-50	DIODE	MA111-TX
D519	8-719-302-43	DIODE	EL1Z
D520	8-719-404-50	DIODE	MA111-TX
D521	8-719-110-08	DIODE	RD8.2ESB2
D522	8-719-404-50	DIODE	MA111-TX
D525	8-719-404-50	DIODE	MA111-TX
D526	8-719-404-50	DIODE	MA111-TX
D530	6-500-531-01	DIODE	PG154R
D531	6-500-531-01	DIODE	PG154R
D534	8-719-074-25	DIODE	PG104R
D535	8-719-404-50	DIODE	MA111-TX
D551	8-719-069-55	DIODE	UDZSTE-175.6B
D561	8-719-075-33	DIODE	1N4003GA
D580	8-719-991-33	DIODE	1SS133T-77
D588	8-719-404-50	DIODE	MA111-TX
D589	8-719-404-50	DIODE	MA111-TX
D590	8-719-404-50	DIODE	MA111-TX
D600	8-719-510-53	DIODE	D4SB60L
D611	8-719-062-40	DIODE	D4SBL20µF
D612	8-719-068-00	DIODE	ERC04-06SE
D613	8-719-068-00	DIODE	ERC04-06SE
D614	8-719-057-52	DIODE	EZ0150AV1
D615	8-719-062-40	DIODE	D4SBL20µF
D618	8-719-979-64	DIODE	UF4005/23
D620	8-719-404-50	DIODE	MA111-TX
D621	6-500-181-01	DIODE	MA6D50
D628	8-719-404-50	DIODE	MA111-TX
D629	8-719-083-82	DIODE	UDZS-TE17-12B
D630	8-719-991-33	DIODE	1SS133T-77
D631	6-500-567-01	DIODE	10ERB20-TA1B2
D633	8-719-068-00	DIODE	ERC04-06SE
D634	8-719-991-33	DIODE	1SS133T-77
D643	8-719-032-12	DIODE	D1NS6
D644	8-719-979-64	DIODE	UF4005/23
D645	6-500-567-01	DIODE	10ERB20-TA1B2
D646	8-719-404-50	DIODE	MA111-TX
D647	6-500-567-01	DIODE	10ERB20-TA1B2
D648	8-719-063-70	DIODE	D1NL20U
D651	8-719-109-93	DIODE	RD6.2ESB2
D652	8-719-510-53	DIODE	D4SB60L

FUSE

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
⚠	F601	1-532-506-32	FUSE	6.3A	250V

FERRITE BEAD

REF. NO.	PART NO.	DESCRIPTION	VALUES
FB501	1-412-911-11	FERRITE	0µH
FB502	1-412-911-11	FERRITE	0µH
FB503	1-412-911-11	FERRITE	0µH
FB505	1-412-911-11	FERRITE	0µH
FB602	1-412-911-11	FERRITE	0µH
FB604	1-412-911-11	FERRITE	0µH
FB613	1-410-397-21	FERRITE	1.1µH
FB614	1-412-911-11	FERRITE	0µH
FB616	1-412-911-11	FERRITE	0µH
FB617	1-412-911-11	FERRITE	0µH
FB650	1-412-911-11	FERRITE	0µH
FB651	1-412-911-11	FERRITE	0µH
FB652	1-412-911-11	FERRITE	0µH
FB653	1-412-911-11	FERRITE	0µH

FUSE HOLDER

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
⚠	FH1	1-533-223-11	FUSE HOLDER	0A	0V
⚠	FH2	1-533-223-11	FUSE HOLDER	0A	0V

IC

	REF. NO.	PART NO.	DESCRIPTION	VALUES
	IC302	8-759-353-00	IC	NJM2534M(TE2)
	IC401	6-705-054-01	IC	TDA8947J/N3
	IC402	6-706-032-01	IC	NJW1142BM-TE2
	IC501	8-759-700-07	IC	NJM2903M
⚠	IC561	6-703-470-01	IC	STV9302A
	IC600	6-705-810-01	IC	MCZ3001DB
	IC601	8-749-017-76	IC	DM-58M
	IC609	8-759-653-07	IC	PQ09RD21J00H

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		JACK		
	J201	1-794-118-11	JACK BLOCK, PIN	3P
*	J206	1-817-461-12	PIN JACK BLOCK	5P
		CHIP CONDUCTOR		
	JR1	1-216-864-11	SHORT CHIP	
	JR3	1-216-864-11	SHORT CHIP	
	JR9	1-216-864-11	SHORT CHIP	
	JR10	1-216-864-11	SHORT CHIP	
	JR332	1-216-864-11	SHORT CHIP	
	JR334	1-216-864-11	SHORT CHIP	
	JR335	1-216-864-11	SHORT CHIP	
	JR404	1-216-864-11	SHORT CHIP	
	JR406	1-216-864-11	SHORT CHIP	
	JR407	1-216-864-11	SHORT CHIP	
	JR410	1-216-864-11	SHORT CHIP	
	JR411	1-216-864-11	SHORT CHIP	
	JR412	1-216-864-11	SHORT CHIP	
	JR414	1-216-864-11	SHORT CHIP	
	JR415	1-216-864-11	SHORT CHIP	
	JR416	1-216-864-11	SHORT CHIP	
	JR417	1-216-864-11	SHORT CHIP	
	JR424	1-216-864-11	SHORT CHIP	
	JR501	1-216-864-11	SHORT CHIP	
	JR502	1-216-864-11	SHORT CHIP	
	JR622	1-216-864-11	SHORT CHIP	
	JR623	1-216-864-11	SHORT CHIP	
	JR624	1-216-864-11	SHORT CHIP	
	JR625	1-216-864-11	SHORT CHIP	
	JR626	1-216-864-11	SHORT CHIP	
		COIL		
	L003	1-414-856-11	INDUCTOR	10µH
	L004	1-414-857-11	INDUCTOR	100µH
	L009	1-414-857-11	INDUCTOR	100µH
	L501	1-406-677-11	INDUCTOR	10MH
	L502	1-412-552-11	INDUCTOR	2.2MH
	L503	1-406-677-11	INDUCTOR	10MH
	L510	1-406-981-21	INDUCTOR	470µH
	L511	1-409-955-31	INDUCTOR	8MH
	L515	1-412-529-11	INDUCTOR	22µH
	L604	1-412-525-31	INDUCTOR	10µH
	L605	1-412-911-11	FERRITE	0µH
	L606	1-412-911-11	FERRITE	0µH
	L608	1-412-529-11	INDUCTOR	22µH
	L609	1-412-529-11	INDUCTOR	22µH
		PHOTO COUPLER		
⚠	PH602	8-749-924-35	PHOTO COUPLER	ON3171-R
	PH603	8-749-924-35	PHOTO COUPLER	ON3171-R
		IC LINK		
	PS401	1-576-337-21	IC LINK	2.7A 50V
	PS609	1-532-984-11	IC LINK	2A 50V
		TRANSISTOR		
	Q005	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q300	8-729-600-22	TRANSISTOR	2SA1235-F
	Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q466	8-729-600-22	TRANSISTOR	2SA1235-F
	Q467	8-729-600-22	TRANSISTOR	2SA1235-F
	Q468	8-729-600-22	TRANSISTOR	2SA1235-F
	Q469	8-729-600-22	TRANSISTOR	2SA1235-F
	Q470	8-729-600-22	TRANSISTOR	2SA1235-F
	Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q501	8-729-140-50	TRANSISTOR	2SC3209LK
⚠	Q502	6-550-042-01	TRANSISTOR	2SD2627LS-YB11
	Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q511	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠	Q512	8-729-809-29	TRANSISTOR	2SC4159-E
	Q530	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q531	8-729-600-22	TRANSISTOR	2SA1235-F
	Q532	6-550-362-01	TRANSISTOR	KTA1279
	Q561	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q562	8-729-600-22	TRANSISTOR	2SA1235-F
	Q564	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	Q583	8-729-600-22	TRANSISTOR	2SA1235-F
	Q600	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
	Q601	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q604	8-729-600-22	TRANSISTOR	2SA1235-F		
Q605	8-729-140-96	TRANSISTOR	2SD774-34		
Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q608	8-729-922-37	TRANSISTOR	2SD2144S-UVW		
Q611	6-550-409-01	TRANSISTOR	KSC2383-O		
Q690	8-729-600-22	TRANSISTOR	2SA1235-F		
Q691	8-729-026-39	TRANSISTOR	2SA933AS-QT		
		RESISTOR			
R085	1-215-900-11	METAL OXIDE	22K	5%	2W
R086	1-216-839-11	METAL CHIP	33K	5%	1/10W
R087	1-216-837-11	METAL CHIP	22K	5%	1/10W
R089	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R099	1-216-809-11	METAL CHIP	100	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R202	1-216-813-11	METAL CHIP	220	5%	1/10W
R206	1-216-813-11	METAL CHIP	220	5%	1/10W
R207	1-216-845-11	METAL CHIP	100K	5%	1/10W
R208	1-216-813-11	METAL CHIP	220	5%	1/10W
R209	1-216-845-11	METAL CHIP	100K	5%	1/10W
R210	1-216-813-11	METAL CHIP	220	5%	1/10W
R222	1-216-845-11	METAL CHIP	100K	5%	1/10W
R223	1-216-813-11	METAL CHIP	220	5%	1/10W
R224	1-216-813-11	METAL CHIP	220	5%	1/10W
R225	1-216-845-11	METAL CHIP	100K	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R302	1-218-839-11	METAL CHIP	470	0.50%	1/10W
R303	1-218-841-11	METAL CHIP	560	0.50%	1/10W
R328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-216-821-11	METAL CHIP	1K	5%	1/10W
R359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R369	1-216-864-11	SHORT CHIP			
R394	1-216-813-11	METAL CHIP	220	5%	1/10W
R395	1-216-813-11	METAL CHIP	220	5%	1/10W
R398	1-216-813-11	METAL CHIP	220	5%	1/10W
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R403	1-247-807-31	CARBON	100	5%	1/4W
R406	1-249-393-11	CARBON	10	5%	1/4W
R409	1-216-864-11	SHORT CHIP			
R411	1-249-393-11	CARBON	10	5%	1/4W
R422	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R425	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W
R463	1-216-864-11	SHORT CHIP			
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R467	1-216-837-11	METAL CHIP	22K	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-837-11	METAL CHIP	22K	5%	1/10W
R470	1-216-837-11	METAL CHIP	22K	5%	1/10W
R471	1-216-837-11	METAL CHIP	22K	5%	1/10W
R472	1-249-441-11	CARBON	100K	5%	1/4W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W
R474	1-216-837-11	METAL CHIP	22K	5%	1/10W
R475	1-216-841-11	METAL CHIP	47K	5%	1/10W
R480	1-216-809-11	METAL CHIP	100	5%	1/10W
R481	1-216-864-11	SHORT CHIP			
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R484	1-249-429-11	CARBON	10K	5%	1/4W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R499	1-216-864-11	SHORT CHIP			
R500	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-216-365-00	METAL OXIDE	0.47	5%	2W
R506	1-243-683-71	METAL OXIDE	47	5%	1W
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R509	1-260-320-11	CARBON	220	5%	1/2W
⚠ R510	1-215-886-11	METAL OXIDE	100	5%	2W
R512	1-215-910-00	METAL OXIDE	68	5%	3W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R521	1-216-815-11	METAL CHIP	330	5%	1/10W
⚠ R523	1-218-873-11	METAL CHIP	12K	0.50%	1/10W

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R525	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
⚠	R528	1-218-853-11	METAL CHIP	1.8K	0.50%	1/10W
	R529	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
	R530	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
	R532	1-218-842-11	METAL CHIP	620	0.50%	1/10W
	R533	1-215-879-11	METAL OXIDE	47K	5%	1W
	R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R535	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠	R536	1-260-288-11	CARBON	0.47	5%	1/2W
⚠	R537	1-260-288-11	CARBON	0.47	5%	1/2W
	R538	1-247-887-00	CARBON	220K	5%	1/4W
	R541	1-216-841-11	METAL CHIP	47K	5%	1/10W
	R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R543	1-249-377-11	CARBON	0.47	5%	1/4W
	R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠	R545	1-249-387-11	CARBON	3.3	5%	1/4W
	R546	1-215-453-00	METAL	22K	1%	1/4W
	R547	1-215-453-00	METAL	22K	1%	1/4W
	R548	1-215-453-00	METAL	22K	1%	1/4W
	R549	1-215-429-00	METAL	2.2K	1%	1/4W
	R552	1-215-921-11	METAL OXIDE	4.7K	5%	3W
	R553	1-249-377-11	CARBON	0.47	5%	1/4W
	R559	1-216-805-11	METAL CHIP	47	5%	1/10W
	R561	1-215-445-00	METAL	10K	1%	1/4W
⚠	R563	1-216-351-00	METAL OXIDE	1.5	5%	1W
	R564	1-247-895-91	CARBON	470K	5%	1/4W
	R565	1-215-889-00	METAL OXIDE	330	5%	2W
	R566	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
⚠	R567	1-249-385-11	CARBON	2.2	5%	1/4W
	R568	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R569	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
	R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R571	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R572	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R573	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
	R576	1-243-535-71	METAL OXIDE	220	5%	3W
	R580	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R584	1-249-429-11	CARBON	10K	5%	1/4W
	R586	1-216-843-11	METAL CHIP	68K	5%	1/10W
	R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R590	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R591	1-249-377-11	CARBON	0.47	5%	1/4W
	R592	1-243-803-71	METAL OXIDE	0.33	5%	1W
	R593	1-249-417-11	CARBON	1K	5%	1/4W
	R594	1-249-429-11	CARBON	10K	5%	1/4W
	R595	1-247-891-00	CARBON	330K	5%	1/4W
	R596	1-249-441-11	CARBON	100K	5%	1/4W
	R597	1-216-864-11	SHORT CHIP			
	R598	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R609	1-205-997-31	CEMENTED	2.2	5%	10W
	R610	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W
	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R614	1-216-864-11	SHORT CHIP			
⚠	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	R616	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R618	1-216-864-11	SHORT CHIP			
	R619	1-249-377-11	CARBON	0.47	5%	1/4W
	R620	1-215-857-11	METAL OXIDE	10	5%	1W
	R625	1-216-817-11	METAL CHIP	470	5%	1/10W
	R626	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
	R628	1-260-131-11	CARBON	470K	5%	1/2W
	R629	1-245-478-21	METAL	470K	1%	1/4W
	R630	1-245-478-21	METAL	470K	1%	1/4W
	R631	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
	R632	1-218-823-11	METAL CHIP	100	0.50%	1/10W
	R640	1-249-417-11	CARBON	1K	5%	1/4W
	R643	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R644	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R645	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R646	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R647	1-211-992-11	METAL CHIP	91	0.50%	1/10W
	R648	1-216-864-11	SHORT CHIP			
	R650	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R651	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R655	1-240-303-31	CEMENTED	0.22	5%	10W
	R658	1-249-393-11	CARBON	10	5%	1/4W
	R659	1-249-393-11	CARBON	10	5%	1/4W
	R660	1-216-833-11	METAL CHIP	10K	5%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-21FV210

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R661	1-249-415-11	CARBON	680	5%	1/4W
	R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R668	1-249-413-11	CARBON	470	5%	1/4W
	R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R674	1-220-926-11	FUSIBLE	0.47	10%	1/2W
	R675	1-260-300-11	CARBON	4.7	5%	1/2W
	R678	1-260-300-11	CARBON	4.7	5%	1/2W
	R681	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R686	1-240-303-31	CEMENTED	0.22	5%	10W
	R687	1-220-797-11	CEMENTED	0.47	5%	10W
	R688	1-220-797-11	CEMENTED	0.47	5%	10W
	R690	1-249-389-11	CARBON	4.7	5%	1/4W
	R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R692	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R693	1-247-891-00	CARBON	330K	5%	1/4W
	R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R697	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R699	1-247-289-00	METAL	8.2M	5%	1W
	R932	1-218-285-11	METAL CHIP	75	5%	1/10W
	R934	1-218-285-11	METAL CHIP	75	5%	1/10W
	R953	1-218-285-11	METAL CHIP	75	5%	1/10W
	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W

RELAY

	RY501	1-755-198-11	RELAY, AC POWER
⚠	RY600	1-755-388-11	RELAY (AC POWER)
⚠	RY601	1-755-395-11	RELAY (AC POWER)

SWITCH

	S501	1-572-707-11	SWITCH, LEVER

TRANSFORMER

	T501	1-433-836-11	TRANSFORMER, HORIZONTAL DRIVE
⚠	T503	1-453-316-21	FBT ASSY NX-1748//X4A4
⚠	T505	1-435-079-21	TRANSFORMER, HORIZONTAL LINEAR
⚠	T601	1-443-402-11	TRANSFORMER, LINE FILTER
⚠	T604	1-437-606-12	COVERTER TRANSFORMER
	T655	1-437-851-11	TRANSFORMER ASSY, POWER (HST)

	REF. NO.	PART NO.	DESCRIPTION	VALUES

THERMISTOR

	TH501	1-800-193-00	THERMISTOR
	THP501	1-803-540-11	THERMISTOR
	THP600	1-803-586-11	THERMISTOR, NTC

TUNER

⚠	TU001	8-598-593-70	TUNER, FSS BTF-WA421

VARISTOR

⚠	VDR600	1-804-995-11	VARISTOR	
⚠	VDR601	1-803-614-11	VARISTOR	ENE471D-20A

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

REF. NO.	PART NO.	DESCRIPTION	VALUES

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

*	**Y-8284-940-A**	**PLACA AWA MONTADA**	
	4-382-854-11	SCREW (M3X10), P, SW (+)	

Os componenetes de alta voltagem ligados ao FBT na placa AW nao estao incluidos e devem ser ser solicitados separadamente.

⚠	1-251-374-14	CAP ASSY, HIGH-VOLTAGE	
⚠	1-900-800-82	CONNECTOR ASSY, FOCUS	
⚠	1-900-803-22	WIRE ASSY, G2 LEAD	

CAPACITOR

C049	1-126-964-11	ELECT	10µF	20%	50V
C050	1-126-935-11	ELECT	470µF	20%	16V
C051	1-126-933-11	ELECT	100µF	20%	16V
C052	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C053	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C054	1-126-967-11	ELECT	47µF	20%	50V
C055	1-126-933-11	ELECT	100µF	20%	16V
C056	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C059	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C200	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C201	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C202	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C203	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C206	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C207	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C208	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C209	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C212	1-126-963-11	ELECT	4.7µF	20%	50V
C213	1-126-963-11	ELECT	4.7µF	20%	50V
C309	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C362	1-126-964-11	ELECT	10µF	20%	50V
C365	1-162-117-00	CERAMIC	100pF	10%	500V
C366	1-126-964-11	ELECT	10µF	20%	50V
C367	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C368	1-126-964-11	ELECT	10µF	20%	50V
C400	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C401	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C402	1-164-174-11	CERAMIC CHIP	0.0082µF	10%	25V
C403	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C404	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C405	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C406	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C407	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C408	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V
C409	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C410	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C411	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C412	1-126-961-11	ELECT	2.2µF	20%	50V
C413	1-126-960-11	ELECT	1µF	20%	50V
C414	1-126-960-11	ELECT	1µF	20%	50V
C415	1-126-960-11	ELECT	1µF	20%	50V
C416	1-126-960-11	ELECT	1µF	20%	50V
C417	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C418	1-126-963-11	ELECT	4.7µF	20%	50V
C420	1-126-960-11	ELECT	1µF	20%	50V
C422	1-126-947-11	ELECT	47µF	20%	35V
C424	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C425	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C426	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C450	1-100-120-51	ELECT	1000µF	20%	35V
C451	1-137-194-81	FILM	0.47µF	5%	50V
C456	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C458	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C461	1-126-965-91	ELECT	22µF	20%	50V
C463	1-126-963-11	ELECT	4.7µF	20%	50V
C466	1-126-935-11	ELECT	470µF	20%	16V
C467	1-126-935-11	ELECT	470µF	20%	16V
C468	1-126-935-11	ELECT	470µF	20%	16V
C472	1-126-935-11	ELECT	470µF	20%	16V
C473	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C476	1-126-964-11	ELECT	10µF	20%	50V
C480	1-126-960-11	ELECT	1µF	20%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V
C503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C504	1-102-228-00	CERAMIC	470pF	10%	500V
C505	1-102-228-00	CERAMIC	470pF	10%	500V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V
⚠ C507	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C509	1-162-116-00	CERAMIC	680pF	10%	2KV
⚠ C510	1-137-150-11	FILM	0.01µF	5%	100V
⚠ C511	1-136-086-00	FILM	17000pF	3%	1.2KV
C512	1-164-315-11	CERAMIC CHIP	470pF	5%	50V

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
⚠	C513	1-129-722-00	FILM	0.047µF	5%	630V
⚠	C514	1-109-844-11	FILM	0.68µF	5%	400V
	C515	1-104-987-11	MYLAR	0.001µF	5%	200V
⚠	C516	1-115-521-11	FILM	0.82µF	5%	250V
	C517	1-107-649-11	ELECT	2.2µF	20%	250V
	C518	1-106-387-00	MYLAR	0.068µF	10%	200V
	C519	1-102-244-00	CERAMIC	220pF	10%	500V
	C520	1-165-136-11	CERAMIC	3300pF	10%	500V
	C522	1-126-960-11	ELECT	1µF	20%	50V
	C523	1-126-934-11	ELECT	220µF	20%	16V
	C525	1-102-244-00	CERAMIC	220pF	10%	500V
	C526	1-107-662-11	ELECT	22µF	20%	350V
⚠	C527	1-162-116-00	CERAMIC	680pF	10%	2KV
	C528	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
	C529	1-104-662-91	ELECT	22µF	20%	25V
	C530	1-164-690-91	CERAMIC CHIP	0.0022µF	5%	50V
	C531	1-126-965-91	ELECT	22µF	20%	50V
	C532	1-126-965-91	ELECT	22µF	20%	50V
	C534	1-126-967-11	ELECT	47µF	20%	50V
	C535	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C537	1-126-941-11	ELECT	470µF	20%	25V
	C539	1-126-941-11	ELECT	470µF	20%	25V
	C540	1-131-867-51	ELECT	100µF		160V
	C541	1-128-560-11	ELECT	22µF	20%	100V
	C545	1-106-387-00	MYLAR	0.068µF	10%	200V
⚠	C553	1-117-412-11	FILM	0.24µF	5%	250V
⚠	C554	1-117-629-11	FILM	2700pF	3%	1.2KV
	C561	1-126-967-11	ELECT	47µF	20%	50V
	C563	1-104-666-11	ELECT	220µF	20%	25V
	C565	1-126-969-11	ELECT	220µF	20%	50V
	C568	1-137-190-91	FILM	0.22µF	5%	50V
⚠	C581	1-165-529-11	MYLAR	0.22µF	10	275V
	C588	1-130-491-00	MYLAR	0.047µF	5%	50V
	C590	1-126-964-11	ELECT	10µF	20%	50V
	C600	1-117-703-11	CERAMIC	0.0047µF	99%	250V
	C602	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C604	1-164-625-11	CERAMIC	680pF	10%	500V
⚠	C605	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C606	1-165-530-11	MYLAR	0.47µF	10	275V
⚠	C608	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C609	1-164-625-11	CERAMIC	680pF	10%	500V
	C611	1-104-665-11	ELECT	100µF	20%	25V
	C612	1-104-665-11	ELECT	100µF	20%	25V
	C616	1-126-943-11	ELECT	2200µF	20%	25V
	C617	1-123-024-21	ELECT	33µF		160V
	C620	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C621	1-117-894-11	ELECT	560µF	20%	250V
⚠	C622	1-119-912-51	CERAMIC	0.001µF	20%	125V
	C629	1-117-894-11	ELECT	560µF	20%	250V
	C632	1-126-943-11	ELECT	2200µF	20%	25V
	C633	1-136-479-11	FILM	0.001µF	5%	100V
	C634	1-126-964-11	ELECT	10µF	20%	50V
	C635	1-126-963-11	ELECT	4.7µF	20%	50V
	C637	1-136-165-00	FILM	0.1µF	5%	50V
	C638	1-126-943-11	ELECT	2200µF	20%	25V
	C642	1-126-969-11	ELECT	220µF	20%	50V
	C643	1-136-165-00	FILM	0.1µF	5%	50V
	C645	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	C647	1-126-947-11	ELECT	47µF	20%	35V
	C648	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C649	1-164-143-11	CERAMIC	0.001µF	10%	1KV
	C650	1-100-120-51	ELECT	1000µF	20%	35V
	C651	1-126-943-11	ELECT	2200µF	20%	25V
	C652	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C653	1-126-964-11	ELECT	10µF	20%	50V
	C661	1-126-947-11	ELECT	47µF	20%	35V
	C669	1-164-625-11	CERAMIC	680pF	10%	500V
	C670	1-164-625-11	CERAMIC	680pF	10%	500V
	C672	1-165-953-11	FILM	47000pF	3%	800V
	C675	1-107-674-91	ELECT	0.47µF	20%	450V
	C676	1-107-680-91	ELECT	22µF	20%	450V
	C677	1-104-662-91	ELECT	22µF	20%	25V
	C678	1-104-665-11	ELECT	100µF	20%	25V
	C690	1-126-942-61	ELECT	1000µF	20%	25V

CONNECTOR

*	CN401	1-564-507-11	PLUG, CONNECTOR	4P
*	CN501	1-580-798-11	CONNECTOR PIN (DY)	6P
*	CN503	1-564-510-11	PLUG, CONNECTOR	7P
*	CN505	1-785-879-21	ONE TOUCH CONNECTOR	
*	CN508	1-508-765-00	PIN, CONNECTOR (5MM PITCH)	3P
*⚠	CN600	1-580-843-11	PIN, CONNECTOR (POWER)	
	CN601	1-695-915-11	TAB (CONTACT)	

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		DIODE		
	D009	8-719-982-22	DIODE	MTZJ-30D
	D200	8-719-069-60	DIODE	UDZSTE-179.1B
	D201	8-719-069-60	DIODE	UDZSTE-179.1B
	D209	8-719-069-60	DIODE	UDZSTE-179.1B
	D210	8-719-069-60	DIODE	UDZSTE-179.1B
	D211	8-719-069-60	DIODE	UDZSTE-179.1B
	D212	8-719-069-60	DIODE	UDZSTE-179.1B
	D213	8-719-510-02	DIODE	D1NS4
	D218	8-719-929-15	DIODE	HZS9.1NB2
	D219	8-719-929-15	DIODE	HZS9.1NB2
	D305	8-719-070-62	DIODE	PDZ9.1B-115
	D306	8-719-070-62	DIODE	PDZ9.1B-115
	D307	8-719-070-62	DIODE	PDZ9.1B-115
	D308	8-719-977-28	DIODE	DTZ10B
	D309	8-719-069-60	DIODE	UDZSTE-179.1B
	D310	8-719-108-12	DIODE	RD9.1EW
	D311	8-719-069-60	DIODE	UDZSTE-179.1B
	D324	8-719-069-60	DIODE	UDZSTE-179.1B
	D325	8-719-069-60	DIODE	UDZSTE-179.1B
	D400	8-719-404-50	DIODE	MA111-TX
	D405	8-719-404-50	DIODE	MA111-TX
	D414	8-719-921-63	DIODE	MTZJ-7.5B
	D418	1-216-864-11	SHORT CHIP	
	D422	1-216-809-11	METAL CHIP	100 5% 1/10W
	D423	8-719-404-50	DIODE	MA111-TX
	D424	8-719-404-50	DIODE	MA111-TX
	D425	8-719-056-84	DIODE	UDZ-TE-17-7.5B
	D500	8-719-081-00	DIODE	BY228/A52A/
	D501	8-719-404-50	DIODE	MA111-TX
⚠	D503	8-719-081-00	DIODE	BY228/A52A/
	D504	6-500-485-01	DIODE	FR305G-EB
	D505	8-719-908-03	DIODE	GP08D
	D506	8-719-908-03	DIODE	GP08D
	D508	8-719-404-50	DIODE	MA111-TX
	D509	8-719-404-50	DIODE	MA111-TX
⚠	D515	8-719-075-41	DIODE	PR1004GT
	D516	8-719-404-50	DIODE	MA111-TX
	D518	8-719-404-50	DIODE	MA111-TX
⚠	D519	8-719-302-43	DIODE	EL1Z
	D520	8-719-404-50	DIODE	MA111-TX
	D521	8-719-921-63	DIODE	MTZJ-7.5B
	D522	8-719-404-50	DIODE	MA111-TX
	D525	8-719-404-50	DIODE	MA111-TX
	D526	8-719-404-50	DIODE	MA111-TX
⚠	D530	6-500-531-01	DIODE	PG154R
	D531	6-500-531-01	DIODE	PG154R
	D534	8-719-074-25	DIODE	PG104R
	D535	8-719-404-50	DIODE	MA111-TX
	D551	8-719-069-55	DIODE	UDZSTE-175.6B
	D561	8-719-075-33	DIODE	1N4003GA
	D580	8-719-991-33	DIODE	1SS133T-77
	D588	8-719-404-50	DIODE	MA111-TX
	D589	8-719-404-50	DIODE	MA111-TX
	D590	8-719-404-50	DIODE	MA111-TX
	D600	8-719-510-53	DIODE	D4SB60L
	D611	8-719-062-40	DIODE	D4SBL20UF3
	D612	8-719-068-00	DIODE	ERC04-06SE
	D613	8-719-068-00	DIODE	ERC04-06SE
	D614	8-719-057-52	DIODE	EZ0150AV1
	D615	8-719-062-40	DIODE	D4SBL20UF3
	D618	8-719-979-64	DIODE	UF4005/23
	D620	8-719-404-50	DIODE	MA111-TX
	D621	6-500-181-01	DIODE	MA6D50
	D628	8-719-404-50	DIODE	MA111-TX
	D629	8-719-083-82	DIODE	UDZS-TE17-12B
	D630	8-719-991-33	DIODE	1SS133T-77
	D631	6-500-567-01	DIODE	10ERB20-TA1B2
	D633	8-719-068-00	DIODE	ERC04-06SE
	D634	8-719-991-33	DIODE	1SS133T-77
	D643	8-719-032-12	DIODE	D1NS6
	D644	8-719-979-64	DIODE	UF4005/23
	D645	6-500-567-01	DIODE	10ERB20-TA1B2
	D646	8-719-404-50	DIODE	MA111-TX
	D647	6-500-567-01	DIODE	10ERB20-TA1B2
	D648	8-719-063-70	DIODE	D1NL20U
	D651	8-719-109-93	DIODE	RD6.2ESB2
	D652	8-719-510-53	DIODE	D4SB60L
		FUSE		
⚠	F601	1-532-506-32	FUSE	6.3A 250V
		FERRITE BEAD		
	FB501	1-412-911-11	FERRITE	0µH
	FB502	1-412-911-11	FERRITE	0µH

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	FB503	1-412-911-11	FERRITE	0µH	
	FB505	1-412-911-11	FERRITE	0µH	
	FB602	1-412-911-11	FERRITE	0µH	
	FB604	1-412-911-11	FERRITE	0µH	
	FB613	1-410-397-21	FERRITE	1.1µH	
	FB614	1-412-911-11	FERRITE	0µH	
	FB616	1-412-911-11	FERRITE	0µH	
	FB617	1-412-911-11	FERRITE	0µH	
	FB650	1-412-911-11	FERRITE	0µH	
	FB651	1-412-911-11	FERRITE	0µH	
	FB652	1-412-911-11	FERRITE	0µH	
	FB653	1-412-911-11	FERRITE	0µH	
	FUSE HOLDER				
⚠	FH1	1-533-223-11	FUSE HOLDER	0A	0V
⚠	FH2	1-533-223-11	FUSE HOLDER	0A	0V
	IC				
	IC302	8-759-353-00	IC	NJM2534M(TE2)	
	IC400	6-703-190-01	IC	NJW1134AGK1-TE2	
	IC401	6-705-054-01	IC	TDA8947J/N3	
	IC501	8-759-700-07	IC	NJM2903M	
⚠	IC561	8-759-980-58	IC	TDA8172	
	IC600	6-705-810-01	IC	MCZ3001DB	
	IC601	8-749-017-76	IC	DM-58M	
	IC609	8-759-653-07	IC	PQ09RD21J00H	
	JACK				
*	J201	1-818-351-11	S TERMINAL BLOCK		
*	J206	1-817-461-12	PIN JACK BLOCK	5P	
	J207	1-794-116-11	JACK BLOCK, PIN	2P	
	CHIP CONDUCTOR				
	JR1	1-216-864-11	SHORT CHIP		
	JR3	1-216-864-11	SHORT CHIP		
	JR9	1-216-864-11	SHORT CHIP		
	JR10	1-216-864-11	SHORT CHIP		
	JR332	1-216-864-11	SHORT CHIP		
	JR334	1-216-864-11	SHORT CHIP		
	JR335	1-216-864-11	SHORT CHIP		
	JR404	1-216-864-11	SHORT CHIP		

	REF. NO.	PART NO.	DESCRIPTION	VALUES	
	JR405	1-216-864-11	SHORT CHIP		
	JR410	1-216-864-11	SHORT CHIP		
	JR411	1-216-864-11	SHORT CHIP		
	JR412	1-216-864-11	SHORT CHIP		
	JR414	1-216-864-11	SHORT CHIP		
	JR416	1-216-864-11	SHORT CHIP		
	JR424	1-216-864-11	SHORT CHIP		
	JR501	1-216-864-11	SHORT CHIP		
	JR502	1-216-864-11	SHORT CHIP		
	JR622	1-216-864-11	SHORT CHIP		
	JR623	1-216-864-11	SHORT CHIP		
	JR624	1-216-864-11	SHORT CHIP		
	JR625	1-216-864-11	SHORT CHIP		
	JR626	1-216-864-11	SHORT CHIP		
	COIL				
	L003	1-414-856-11	INDUCTOR	10µH	
	L004	1-414-857-11	INDUCTOR	100µH	
	L009	1-414-857-11	INDUCTOR	100µH	
	L501	1-406-677-11	INDUCTOR	10MH	
	L502	1-412-552-11	INDUCTOR	2.2MH	
	L503	1-406-677-11	INDUCTOR	10MH	
⚠	L505	1-419-714-11	INDUCTOR	100µH	
	L511	1-409-955-31	INDUCTOR	8MH	
	L515	1-412-529-11	INDUCTOR	22µH	
	L517	1-412-552-11	INDUCTOR	2.2MH	
	L604	1-412-525-31	INDUCTOR	10µH	
	L605	1-412-911-11	FERRITE	0µH	
	L606	1-412-911-11	FERRITE	0µH	
	L608	1-412-529-11	INDUCTOR	22µH	
	L609	1-412-529-11	INDUCTOR	22µH	
	PHOTO COUPLER				
⚠	PH602	8-749-924-35	PHOTO COUPLER	ON3171-R	
	PH603	8-749-924-35	PHOTO COUPLER	ON3171-R	
	IC LINK				
	PS401	1-576-337-21	IC LINK	2.7A	50V
	PS609	1-532-984-11	IC LINK	2A	50V

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AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

REF. NO.	PART NO.	DESCRIPTION	VALUES
	TRANSISTOR		
Q005	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q300	8-729-600-22	TRANSISTOR	2SA1235-F
Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q403	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q412	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q466	8-729-600-22	TRANSISTOR	2SA1235-F
Q467	8-729-600-22	TRANSISTOR	2SA1235-F
Q468	8-729-600-22	TRANSISTOR	2SA1235-F
Q469	8-729-600-22	TRANSISTOR	2SA1235-F
Q470	8-729-600-22	TRANSISTOR	2SA1235-F
Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q501	8-729-140-50	TRANSISTOR	2SC3209LK
⚠ Q502	6-550-107-01	TRANSISTOR	2SD2645-YB
Q509	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠ Q511	8-729-120-28	TRANSISTOR	2SC1623-L5L6
⚠ Q512	8-729-809-29	TRANSISTOR	2SC4159-E
Q530	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q531	8-729-600-22	TRANSISTOR	2SA1235-F
Q532	6-550-362-01	TRANSISTOR	KTA1279
Q561	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q562	8-729-600-22	TRANSISTOR	2SA1235-F
Q564	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q583	8-729-600-22	TRANSISTOR	2SA1235-F
Q600	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
Q601	6-550-882-01	TRANSISTOR	2SK3568(LBS2SONY,Q
Q604	8-729-600-22	TRANSISTOR	2SA1235-F
Q605	8-729-140-96	TRANSISTOR	2SD774-34
Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q608	8-729-922-37	TRANSISTOR	2SD2144S-UVW
Q611	6-550-409-01	TRANSISTOR	KSC2383-O
Q690	8-729-600-22	TRANSISTOR	2SA1235-F
Q691	8-729-026-39	TRANSISTOR	2SA933AS-QT
	RESISTOR		
R085	1-215-900-11	METAL OXIDE	22K 5% 2W
R086	1-216-839-11	METAL CHIP	33K 5% 1/10W
R087	1-216-837-11	METAL CHIP	22K 5% 1/10W
R089	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R099	1-216-809-11	METAL CHIP	100 5% 1/10W
R107	1-216-809-11	METAL CHIP	100 5% 1/10W
R108	1-216-809-11	METAL CHIP	100 5% 1/10W
R202	1-216-813-11	METAL CHIP	220 5% 1/10W
R206	1-216-813-11	METAL CHIP	220 5% 1/10W
R207	1-216-845-11	METAL CHIP	100K 5% 1/10W
R208	1-216-813-11	METAL CHIP	220 5% 1/10W
R209	1-216-845-11	METAL CHIP	100K 5% 1/10W
R210	1-216-813-11	METAL CHIP	220 5% 1/10W
R217	1-216-845-11	METAL CHIP	100K 5% 1/10W
R218	1-216-845-11	METAL CHIP	100K 5% 1/10W
R219	1-216-813-11	METAL CHIP	220 5% 1/10W
R220	1-216-813-11	METAL CHIP	220 5% 1/10W
R222	1-216-845-11	METAL CHIP	100K 5% 1/10W
R223	1-216-813-11	METAL CHIP	220 5% 1/10W
R224	1-216-813-11	METAL CHIP	220 5% 1/10W
R225	1-216-845-11	METAL CHIP	100K 5% 1/10W
R232	1-216-853-11	METAL CHIP	470K 5% 1/10W
R233	1-216-853-11	METAL CHIP	470K 5% 1/10W
R234	1-216-813-11	METAL CHIP	220 5% 1/10W
R235	1-216-813-11	METAL CHIP	220 5% 1/10W
R301	1-216-809-11	METAL CHIP	100 5% 1/10W
R302	1-218-839-11	METAL CHIP	470 0.50% 1/10W
R303	1-218-841-11	METAL CHIP	560 0.50% 1/10W
R328	1-216-833-11	METAL CHIP	10K 5% 1/10W
R334	1-216-809-11	METAL CHIP	100 5% 1/10W
R335	1-216-821-11	METAL CHIP	1K 5% 1/10W
R359	1-216-833-11	METAL CHIP	10K 5% 1/10W
R367	1-216-864-11	SHORT CHIP	
R369	1-216-864-11	SHORT CHIP	
R390	1-216-813-11	METAL CHIP	220 5% 1/10W
R391	1-218-285-11	METAL CHIP	75 5% 1/10W
R393	1-218-285-11	METAL CHIP	75 5% 1/10W
R394	1-216-813-11	METAL CHIP	220 5% 1/10W
R395	1-216-813-11	METAL CHIP	220 5% 1/10W
R396	1-216-813-11	METAL CHIP	220 5% 1/10W
R397	1-216-813-11	METAL CHIP	220 5% 1/10W
R398	1-216-813-11	METAL CHIP	220 5% 1/10W
R400	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R401	1-216-809-11	METAL CHIP	100 5% 1/10W
R403	1-247-807-31	CARBON	100 5% 1/4W
R405	1-216-825-11	METAL CHIP	2.2K 5% 1/10W

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AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R406	1-249-393-11	CARBON	10	5%	1/4W
R408	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R409	1-216-864-11	SHORT CHIP			
R411	1-249-393-11	CARBON	10	5%	1/4W
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R422	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R424	1-216-821-11	METAL CHIP	1K	5%	1/10W
R425	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R429	1-216-841-11	METAL CHIP	47K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-821-11	METAL CHIP	1K	5%	1/10W
R458	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W
R463	1-216-864-11	SHORT CHIP			
R464	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R467	1-216-837-11	METAL CHIP	22K	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-837-11	METAL CHIP	22K	5%	1/10W
R470	1-216-837-11	METAL CHIP	22K	5%	1/10W
R471	1-216-837-11	METAL CHIP	22K	5%	1/10W
R472	1-249-441-11	CARBON	100K	5%	1/4W
R473	1-216-837-11	METAL CHIP	22K	5%	1/10W
R474	1-216-837-11	METAL CHIP	22K	5%	1/10W
R475	1-216-841-11	METAL CHIP	47K	5%	1/10W
R477	1-216-819-11	METAL CHIP	680	5%	1/10W
R478	1-216-833-11	METAL CHIP	10K	5%	1/10W
R479	1-216-821-11	METAL CHIP	1K	5%	1/10W
R480	1-216-809-11	METAL CHIP	100	5%	1/10W
R481	1-216-864-11	SHORT CHIP			
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R484	1-249-429-11	CARBON	10K	5%	1/4W
R485	1-216-809-11	METAL CHIP	100	5%	1/10W
R488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R495	1-216-864-11	SHORT CHIP			
R496	1-216-864-11	SHORT CHIP			
R499	1-216-864-11	SHORT CHIP			
R500	1-216-813-11	METAL CHIP	220	5%	1/10W
R502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-243-608-71	METAL OXIDE	1.5K	5%	3W
R506	1-243-683-71	METAL OXIDE	47	5%	1W
R507	1-249-401-11	CARBON	47	5%	1/4W
R508	1-216-833-11	METAL CHIP	10K	5%	1/10W
R509	1-260-328-11	CARBON	1K	5%	1/2W
⚠ R510	1-215-908-00	METAL OXIDE	33	5%	3W
R512	1-243-535-71	METAL OXIDE	220	5%	3W
R513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-249-415-11	CARBON	680	5%	1/4W
R518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-249-411-11	CARBON	330	5%	1/4W
R520	1-243-531-71	METAL OXIDE	100	5%	3W
R521	1-216-815-11	METAL CHIP	330	5%	1/10W
⚠ R523	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
⚠ R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R525	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
⚠ R528	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R529	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R530	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R531	1-218-901-11	METAL CHIP	180K	0.50%	1/10W
R532	1-216-810-11	METAL CHIP	120	5%	1/10W
R533	1-215-879-11	METAL OXIDE	47K	5%	1W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ R536	1-260-288-11	CARBON	0.47	5%	1/2W
⚠ R537	1-260-288-11	CARBON	0.47	5%	1/2W
R538	1-247-887-00	CARBON	220K	5%	1/4W
R541	1-216-841-11	METAL CHIP	47K	5%	1/10W
R542	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠ R543	1-249-377-11	CARBON	0.47	5%	1/4W
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠ R545	1-249-387-11	CARBON	3.3	5%	1/4W
R546	1-215-453-00	METAL	22K	1%	1/4W
R547	1-215-445-00	METAL	10K	1%	1/4W
R548	1-215-453-00	METAL	22K	1%	1/4W
R549	1-215-429-00	METAL	2.2K	1%	1/4W
⚠ R550	1-249-377-11	CARBON	0.47	5%	1/4W
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W
R552	1-243-608-71	METAL OXIDE	1.5K	5%	3W
⚠ R553	1-249-377-11	CARBON	0.47	5%	1/4W
R559	1-216-805-11	METAL CHIP	47	5%	1/10W
R561	1-215-445-00	METAL	10K	1%	1/4W
⚠ R563	1-214-798-21	METAL	1.8	1%	1/2W
R564	1-247-895-91	CARBON	470K	5%	1/4W
R565	1-215-889-00	METAL OXIDE	330	5%	2W

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	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R566	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
⚠	R567	1-249-385-11	CARBON	2.2	5%	1/4W
	R568	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R569	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
	R570	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R571	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R572	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R573	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
⚠	R574	1-214-798-21	METAL	1.8	1%	1/2W
	R576	1-243-523-71	METAL OXIDE	22	5%	3W
	R580	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R583	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R584	1-249-429-11	CARBON	10K	5%	1/4W
	R586	1-216-843-11	METAL CHIP	68K	5%	1/10W
	R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R590	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R592	1-243-803-71	METAL OXIDE	0.33	5%	1W
	R593	1-249-417-11	CARBON	1K	5%	1/4W
	R594	1-249-429-11	CARBON	10K	5%	1/4W
	R595	1-247-891-00	CARBON	330K	5%	1/4W
	R596	1-249-441-11	CARBON	100K	5%	1/4W
	R597	1-216-864-11	SHORT CHIP			
	R598	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R609	1-205-997-31	CEMENTED	2.2	5%	10W
	R610	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R611	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R612	1-260-131-11	CARBON	470K	5%	1/2W
	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R614	1-216-864-11	SHORT CHIP			
⚠	R615	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	R616	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
	R617	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R618	1-216-864-11	SHORT CHIP			
	R619	1-249-377-11	CARBON	0.47	5%	1/4W
	R620	1-215-857-11	METAL OXIDE	10	5%	1W
	R625	1-216-817-11	METAL CHIP	470	5%	1/10W
	R626	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
	R628	1-260-131-11	CARBON	470K	5%	1/2W
	R629	1-245-478-21	METAL	470K	1%	1/4W

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	R630	1-245-478-21	METAL	470K	1%	1/4W
	R631	1-218-875-11	METAL CHIP	15K	0.50%	1/10W
	R632	1-218-823-11	METAL CHIP	100	0.50%	1/10W
	R640	1-249-417-11	CARBON	1K	5%	1/4W
	R643	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R644	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R645	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R646	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
	R647	1-211-992-11	METAL CHIP	91	0.50%	1/10W
	R648	1-216-864-11	SHORT CHIP			
	R650	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R651	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R655	1-240-303-31	CEMENTED	0.22	5%	10W
	R658	1-249-393-11	CARBON	10	5%	1/4W
	R659	1-249-393-11	CARBON	10	5%	1/4W
	R660	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R661	1-249-415-11	CARBON	680	5%	1/4W
	R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠	R668	1-249-413-11	CARBON	470	5%	1/4W
	R670	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R671	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R672	1-243-979-71	METAL OXIDE	0.1	5%	2W
⚠	R674	1-220-926-11	FUSIBLE	0.47	10%	1/2W
	R675	1-260-300-11	CARBON	4.7	5%	1/2W
	R678	1-260-300-11	CARBON	4.7	5%	1/2W
	R681	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R686	1-240-303-31	CEMENTED	0.22	5%	10W
	R687	1-220-797-11	CEMENTED	0.47	5%	10W
	R688	1-220-797-11	CEMENTED	0.47	5%	10W
	R690	1-249-389-11	CARBON	4.7	5%	1/4W
	R691	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R692	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R693	1-247-891-00	CARBON	330K	5%	1/4W
	R694	1-216-837-11	METAL CHIP	22K	5%	1/10W
	R697	1-216-821-11	METAL CHIP	1K	5%	1/10W
	R699	1-247-289-00	METAL	8.2M	5%	1W
	R932	1-218-285-11	METAL CHIP	75	5%	1/10W
	R934	1-218-285-11	METAL CHIP	75	5%	1/10W
	R953	1-218-285-11	METAL CHIP	75	5%	1/10W
	R1510	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

AW

AS PEÇAS DESTA PÁGINA SÃO PARA MODELO KV-29FS110

	REF. NO.	PART NO.	DESCRIPTION	VALUES
		RELAY		
	RY501	1-755-198-11	RELAY, AC POWER	
⚠	RY600	1-755-388-11	RELAY (AC POWER)	
⚠	RY601	1-755-395-11	RELAY (AC POWER)	
		SWITCH		
	S501	1-572-707-11	SWITCH, LEVER	
	S502	1-572-707-11	SWITCH, LEVER	
		TRANSFORMER		
	T501	1-433-836-11	TRANSFORMER, HORIZONTAL DRIVE	
⚠	T502	1-435-869-11	TRANFORMER, FERRITE (PMT)	
⚠	T503	1-453-310-11	FBT ASSY NX-4521//X4J4	
⚠	T505	1-433-850-11	TRANSFORMER, HORIZONTAL LINEAR	
⚠	T601	1-443-402-11	TRANSFORMER, LINE FILTER	
⚠	T604	1-437-606-12	COVERTER TRANSFORMER	
	T655	1-437-851-11	TRANSFORMER ASSY, POWER (HST)	
		THERMISTOR		
	TH501	1-800-193-00	THERMISTOR	
	THP501	1-803-540-11	THERMISTOR	
	THP600	1-803-586-11	THERMISTOR, NTC	
		TUNER		
⚠	TU001	8-598-593-70	TUNER, FSS BTF-WA421	
		VARISTOR		
⚠	VDR600	1-804-995-11	VARISTOR	
⚠	VDR601	1-803-614-11	VARISTOR	ENE471D-20A

BS

BS

Y-8284-944-A PLACA BS (COM) MONTADA (PARA KV-29FS110)

REF. NO.	PART NO.	DESCRIPTION	VALUES		
		CAPACITOR			
C1005	1-126-935-11	ELECT	470µF	20%	16V
C1006	1-126-935-11	ELECT	470µF	20%	16V
C1007	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1010	1-126-935-11	ELECT	470µF	20%	16V
C1302	1-126-947-11	ELECT	47µF	20%	35V
C1317	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1332	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1352	1-126-947-11	ELECT	47µF	20%	35V
C1373	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C1374	1-126-933-11	ELECT	100µF	20%	16V
C1375	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1376	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1377	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C1378	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1379	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1380	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1381	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1382	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1383	1-126-933-11	ELECT	100µF	20%	16V
C1384	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1385	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1387	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1388	1-126-933-11	ELECT	100µF	20%	16V
C1389	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1390	1-126-933-11	ELECT	100µF	20%	16V
C1394	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C1396	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
		CONNECTOR			
* CN1306	1-564-515-11	PLUG, CONNECTOR		12P	
		FERRITE BEAD			
FB1301	1-412-911-11	FERRITE	0µH		

REF. NO.	PART NO.	DESCRIPTION	VALUES		
		FILTER			
FL1301	1-239-847-11	FILTER, LOW PASS			
FL1302	1-239-847-11	FILTER, LOW PASS			
FL1303	1-239-847-11	FILTER, LOW PASS			
		IC			
IC1302	6-701-597-01	IC	TC90A69NG		
IC1506	8-759-533-85	IC	L88M05T-FA-TL		
		CHIP CONDUCTOR			
JR1301	1-216-864-11	SHORT CHIP			
JR1302	1-216-864-11	SHORT CHIP			
JR1304	1-216-864-11	SHORT CHIP			
		COIL			
L1305	1-410-470-11	INDUCTOR	10µH		
L1306	1-410-470-11	INDUCTOR	10µH		
L1307	1-410-470-11	INDUCTOR	10µH		
L1310	1-410-470-11	INDUCTOR	10µH		
		TRANSISTOR			
Q1301	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1302	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1303	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1304	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1305	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1306	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1307	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1308	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1313	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1321	8-729-600-22	TRANSISTOR	2SA1235-F		
		RESISTOR			
R1057	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1058	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1301	1-216-864-11	SHORT CHIP			
R1304	1-216-864-11	SHORT CHIP			
R1310	1-216-864-11	SHORT CHIP			

BS C

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1311	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1314	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1317	1-216-818-11	METAL CHIP	560	5%	1/10W
R1318	1-216-864-11	SHORT CHIP			
R1319	1-216-809-11	METAL CHIP	100	5%	1/10W
R1320	1-216-809-11	METAL CHIP	100	5%	1/10W
R1321	1-216-809-11	METAL CHIP	100	5%	1/10W
R1322	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1323	1-216-818-11	METAL CHIP	560	5%	1/10W
R1324	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1325	1-216-809-11	METAL CHIP	100	5%	1/10W
R1326	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1330	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W
R1332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1333	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1334	1-216-809-11	METAL CHIP	100	5%	1/10W
R1335	1-216-809-11	METAL CHIP	100	5%	1/10W
R1336	1-216-816-11	METAL CHIP	390	5%	1/10W
R1337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1353	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1354	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1356	1-216-809-11	METAL CHIP	100	5%	1/10W
R1357	1-216-818-11	METAL CHIP	560	5%	1/10W
R1358	1-216-815-11	METAL CHIP	330	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1361	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1363	1-216-809-11	METAL CHIP	100	5%	1/10W
R1365	1-216-818-11	METAL CHIP	560	5%	1/10W
R1367	1-216-809-11	METAL CHIP	100	5%	1/10W
R1399	1-216-815-11	METAL CHIP	330	5%	1/10W

C

A-1098-860-A PLACA C (VAR) MONTADA (PARA KV-29FA310/29FS110/29FV210)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C701	1-126-947-11	ELECT	47µF	20%	35V
C702	1-136-497-81	FILM	0.1µF	5%	50V
C703	1-126-947-11	ELECT	47µF	20%	35V
C704	1-107-652-11	ELECT	10µF	20%	250V
C705	1-107-652-11	ELECT	10µF	20%	250V
C706	1-137-528-11	MYLAR	0.1µF	10%	250V
C708	1-126-235-11	ELECT	100µF	20%	16V
C709	1-126-964-11	ELECT	10µF	20%	50V
C710	1-126-964-11	ELECT	10µF	20%	50V
C711	1-102-074-00	CERAMIC	0.001µF	10%	50V
C713	1-126-964-11	ELECT	10µF	20%	50V
C714	1-126-947-11	ELECT	47µF	20%	35V
C715	1-162-114-00	CERAMIC	0.0047µF		2KV
C716	1-162-114-00	CERAMIC	0.0047µF		2KV
C719	1-126-947-11	ELECT	47µF	20%	35V

CONNECTOR

	REF. NO.	PART NO.	DESCRIPTION	
*	CN701	1-564-506-11	PLUG, CONNECTOR	3P
	CN702	1-695-915-11	TAB (CONTACT)	
	CN703	1-695-915-11	TAB (CONTACT)	
*	CN704	1-785-879-21	ONE TOUCH CONNECTOR	
*	CN706	1-564-510-11	PLUG, CONNECTOR	7P

DIODE

REF. NO.	PART NO.	DESCRIPTION	
D701	8-719-901-83	DIODE	1SS83
D702	8-719-901-83	DIODE	1SS83
D703	8-719-901-83	DIODE	1SS83
D704	8-719-074-25	DIODE	PG104R
D705	8-719-108-12	DIODE	RD9.1EW

IC

REF. NO.	PART NO.	DESCRIPTION	
IC701	8-759-803-42	IC	LA6500-FA
IC702	8-759-562-43	IC	TDA6108JF/N1B
IC703	8-759-701-59	IC	NJM78M09FA

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

C V

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
		JACK				
⚠	J701	1-451-470-21	SOCKET, CRT			
		COIL				
	L701	1-410-482-31	INDUCTOR	100µH		
		TRANSISTOR				
	Q700	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
	Q701	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
	Q703	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
		RESISTOR				
	R700	1-249-433-11	CARBON	22K	5%	1/4W
	R701	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R702	1-216-811-11	METAL CHIP	150	5%	1/10W
	R703	1-216-809-11	METAL CHIP	100	5%	1/10W
	R704	1-249-419-11	CARBON	1.5K	5%	1/4W
	R705	1-249-429-11	CARBON	10K	5%	1/4W
	R706	1-249-381-11	CARBON	1	5%	1/4W
	R707	1-249-383-11	CARBON	1.5	5%	1/4W
	R708	1-247-807-31	CARBON	100	5%	1/4W
	R709	1-247-807-31	CARBON	100	5%	1/4W
	R710	1-247-807-31	CARBON	100	5%	1/4W
	R711	1-260-328-11	CARBON	1K	5%	1/2W
	R712	1-260-328-11	CARBON	1K	5%	1/2W
	R713	1-260-328-11	CARBON	1K	5%	1/2W
	R714	1-260-087-11	CARBON	100	5%	1/2W
	R715	1-260-132-11	CARBON	560K	5%	1/2W
	R716	1-260-087-11	CARBON	100	5%	1/2W
	R717	1-216-375-00	METAL OXIDE	3.3	5%	2W
	R718	1-216-373-11	METAL OXIDE	2.2	5%	2W
	R719	1-215-888-00	METAL OXIDE	220	5%	2W
	R720	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R721	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R722	1-247-807-31	CARBON	100	5%	1/4W
	R723	1-247-807-31	CARBON	100	5%	1/4W
	R724	1-247-807-31	CARBON	100	5%	1/4W
	R725	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R726	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	R731	1-216-864-11	SHORT CHIP			
	R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R733	1-216-833-11	METAL CHIP	10K	5%	1/10W
	R734	1-216-809-11	METAL CHIP	100	5%	1/10W
		VARIABLE RESISTOR				
⚠	RV701	1-241-656-11	RES, ADJ, METAL FILM	110M		
	RV702	1-238-019-11	RES, ADJ, CARBON	47K		

V

A-1098-863-A PLACA V (VAR) MONTADA (PARA KV-29FA310/29FS110/29FV210)

4-382-854-11 SCREW (M3X10), P, SW (+)

	CAPACITOR				
C802	1-126-964-11	ELECT	10µF	20%	50V
C803	1-137-378-11	MYLAR	0.22µF	5%	50V
C804	1-137-378-11	MYLAR	0.22µF	5%	50V
C805	1-131-985-21	FILM	0.033µF	5%	250V
C808	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C809	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V
C810	1-130-495-00	MYLAR	0.1µF	5%	50V
C811	1-129-725-00	FILM	0.082µF	5%	400V
C812	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C813	1-126-933-11	ELECT	100µF	20%	16V
C821	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C823	1-130-967-00	FILM	0.0027µF	5%	50V
C824	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C826	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C862	1-126-964-11	ELECT	10µF	20%	50V
C901	1-107-667-11	ELECT	2.2µF	20%	400V
C902	1-107-364-11	MYLAR	0.01µF	10%	200V
C903	1-126-935-11	ELECT	470µF	20%	16V
C904	1-130-471-00	MYLAR	0.001µF	5%	50V
C905	1-107-364-11	MYLAR	0.01µF	10%	200V
C906	1-130-471-00	MYLAR	0.001µF	5%	50V
C907	1-107-963-11	ELECT	33µF	20%	250V
C908	1-126-935-11	ELECT	470µF	20%	16V
C909	1-104-999-11	MYLAR	0.1µF	5%	200V
C910	1-104-999-11	MYLAR	0.1µF	5%	200V
C911	1-126-933-11	ELECT	100µF	20%	16V
C912	1-126-933-11	ELECT	100µF	20%	16V

V

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C913	1-102-074-00	CERAMIC	0.001µF	10%	50V
	C914	1-130-491-00	MYLAR	0.047µF	5%	50V
	C930	1-104-655-91	ELECT	470µF	20%	6.3V
	C931	1-104-655-91	ELECT	470µF	20%	6.3V
	C1815	1-129-718-00	FILM	0.022µF	5%	630V
	C1816	1-102-244-00	CERAMIC	220pF	10%	500V
	C1817	1-129-709-91	FILM	0.0039µF	5%	630V
	C1818	1-102-002-00	CERAMIC	680pF	10%	500V
	C1820	1-109-954-11	ELECT	0.47µF	20%	160V
	C2801	1-128-578-11	ELECT	1µF	20%	100V
		CONNECTOR				
*	CN901	1-564-512-11	PLUG, CONNECTOR	9P		
*	CN902	1-770-723-11	CONNECTOR, BOARD TO BOARD	8P		
*	CN1802	1-785-879-21	ONE TOUCH CONNECTOR			
		DIODE				
	D804	8-719-074-25	DIODE	PG104R		
	D805	8-719-991-33	DIODE	1SS133T-77		
	D806	8-719-991-33	DIODE	1SS133T-77		
	D807	8-719-210-21	DIODE	11EQS04		
	D808	8-719-991-33	DIODE	1SS133T-77		
	D813	8-719-991-33	DIODE	1SS133T-77		
	D901	8-719-924-11	DIODE	MTZJ-T-77-22		
	D902	8-719-924-11	DIODE	MTZJ-T-77-22		
	D903	8-719-991-33	DIODE	1SS133T-77		
	D905	8-719-404-50	DIODE	MA111-TX		
	D906	8-719-404-50	DIODE	MA111-TX		
	D907	8-719-404-50	DIODE	MA111-TX		
	D908	8-719-404-50	DIODE	MA111-TX		
	D1809	8-719-110-41	DIODE	RD15ESB2		
	D1810	8-719-970-87	DIODE	ERA38-06		
	D1811	8-719-970-87	DIODE	ERA38-06		
	D1812	8-719-081-93	DIODE	1N4937/23		
	D2801	8-719-109-89	DIODE	RD5.6ESB2		
	D2802	8-719-991-33	DIODE	1SS133T-77		
		IC				
	IC801	6-701-598-01	IC	UPC5023CS-184		

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	CHIP CONDUCTOR				
JR802	1-216-864-11	SHORT CHIP			
JR803	1-216-864-11	SHORT CHIP			
	COIL				
L801	1-406-989-21	INDUCTOR	10MH		
L802	1-419-633-11	INDUCTOR	10MH		
L803	1-412-529-11	INDUCTOR	22µH		
L901	1-410-473-11	INDUCTOR	18µH		
L1805	1-406-677-11	INDUCTOR	10MH		
	TRANSISTOR				
Q805	6-550-106-01	TRANSISTOR	KTB764		
Q807	8-729-931-45	TRANSISTOR	IRF614		
Q808	6-550-106-01	TRANSISTOR	KTB764		
Q812	8-729-026-39	TRANSISTOR	2SA933AS-QT		
Q901	6-551-125-01	TRANSISTOR	2SC59930J1S0		
Q902	6-551-126-01	TRANSISTOR	2SA21400J1S0		
Q903	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q904	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q905	8-729-600-22	TRANSISTOR	2SA1235-F		
Q906	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q907	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q908	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1810	8-729-043-95	TRANSISTOR	2SC3840(3)		
Q2801	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2802	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2803	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2804	8-729-600-22	TRANSISTOR	2SA1235-F		
	RESISTOR				
R809	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R811	1-249-393-11	CARBON	10	5%	1/4W
R815	1-215-862-11	METAL OXIDE	68	5%	1W
R817	1-218-879-11	METAL CHIP	22K	0.50%	1/10W
R818	1-216-809-11	METAL CHIP	100	5%	1/10W
R819	1-216-841-11	METAL CHIP	47K	5%	1/10W
R820	1-216-839-11	METAL CHIP	33K	5%	1/10W
R821	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R822	1-216-841-11	METAL CHIP	47K	5%	1/10W
R824	1-218-895-11	METAL CHIP	100K	0.50%	1/10W

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

V W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R825	1-216-845-11	METAL CHIP	100K	5%	1/10W
R826	1-249-421-11	CARBON	2.2K	5%	1/4W
R827	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W
R828	1-218-883-11	METAL CHIP	33K	0.50%	1/10W
R829	1-216-853-11	METAL CHIP	470K	5%	1/10W
R833	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W
R834	1-218-859-11	METAL CHIP	3.3K	0.50%	1/10W
R837	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R840	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R841	1-218-863-11	METAL CHIP	4.7K	0.50%	1/10W
R842	1-218-855-11	METAL CHIP	2.2K	0.50%	1/10W
R855	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R856	1-218-861-11	METAL CHIP	3.9K	0.50%	1/10W
R857	1-218-877-11	METAL CHIP	18K	0.50%	1/10W
R860	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R864	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R866	1-249-438-11	CARBON	56K	5%	1/4W
R870	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R876	1-216-821-11	METAL CHIP	1K	5%	1/10W
R890	1-218-891-11	METAL CHIP	68K	0.50%	1/10W
R893	1-216-839-11	METAL CHIP	33K	5%	1/10W
R901	1-249-405-11	CARBON	100	5%	1/4W
R902	1-249-385-11	CARBON	2.2	5%	1/4W
R903	1-249-414-11	CARBON	560	5%	1/4W
R904	1-249-432-11	CARBON	18K	5%	1/4W
R905	1-249-421-11	CARBON	2.2K	5%	1/4W
R906	1-249-432-11	CARBON	18K	5%	1/4W
R907	1-249-385-11	CARBON	2.2	5%	1/4W
R908	1-249-414-11	CARBON	560	5%	1/4W
R909	1-260-316-51	CARBON	100	5%	1/2W
R910	1-215-915-11	METAL OXIDE	470	5%	3W
R911	1-215-405-00	METAL	220	1%	1/4W
R912	1-249-407-11	CARBON	150	5%	1/4W
R913	1-215-391-00	METAL	56	1%	1/4W
R914	1-249-416-11	CARBON	820	5%	1/4W
R915	1-249-425-11	CARBON	4.7K	5%	1/4W
R917	1-249-425-11	CARBON	4.7K	5%	1/4W
R918	1-249-401-11	CARBON	47	5%	1/4W
R919	1-249-401-11	CARBON	47	5%	1/4W
R921	1-249-429-11	CARBON	10K	5%	1/4W
R922	1-249-397-11	CARBON	22	5%	1/4W
R923	1-249-401-11	CARBON	47	5%	1/4W
R930	1-216-864-11	SHORT CHIP			
R931	1-249-421-11	CARBON	2.2K	5%	1/4W
R932	1-218-851-11	METAL CHIP	1.5K	0.50%	1/10W
R933	1-216-864-11	SHORT CHIP			
R935	1-249-405-11	CARBON	100	5%	1/4W
R938	1-216-864-11	SHORT CHIP			
R1845	1-249-441-11	CARBON	100K	5%	1/4W
R1846	1-249-441-11	CARBON	100K	5%	1/4W
R1847	1-249-441-11	CARBON	100K	5%	1/4W
R1848	1-215-894-11	METAL OXIDE	2.2K	5%	2W
R1849	1-243-617-71	METAL OXIDE	8.2K	5%	3W
R1850	1-243-617-71	METAL OXIDE	8.2K	5%	3W
R1851	1-215-922-11	METAL OXIDE	6.8K	5%	3W
R1852	1-215-922-11	METAL OXIDE	6.8K	5%	3W
R2800	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2801	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2802	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2803	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2805	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2807	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2808	1-216-833-11	METAL CHIP	10K	5%	1/10W

TRANSFORMER

⚠ T504	1-424-584-31	TRANSFORMER, FERRITE (DFT)	

W

A-1098-867-A PLACA W MONTADA

CAPACITOR

C2601	1-126-601-11	ELECT CHIP	2.2µF	20%	50V
C2602	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2603	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2604	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2606	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2607	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2608	1-126-397-11	ELECT CHIP	33µF	20%	25V

CONNECTOR

* CN2601	1-819-531-11	HEADER ASSEMBLY FOR PWB	
* CN2602	1-819-532-11	HEADER ASSEMBLY FOR PWB	

W MT

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	DIODE				
D2601	8-719-050-38	DIODE	M1MA152WK-T1		
D2603	8-719-404-50	DIODE	MA111-TX		
D2604	8-719-404-50	DIODE	MA111-TX		
D2605	8-719-404-50	DIODE	MA111-TX		
D2606	8-719-050-37	DIODE	M1MA152WA-T1		
D2608	8-719-083-82	DIODE	UDZS-TE17-12B		
D2609	8-719-404-50	DIODE	MA111-TX		
D2610	8-719-404-50	DIODE	MA111-TX		
	IC				
IC2601	8-749-924-35	PHOTO COUPLER	ON3171-R		
IC2602	8-749-924-35	PHOTO COUPLER	ON3171-R		
IC2605	8-759-085-67	IC	LM339NS		
IC2607	6-702-420-01	IC	LM431CCZ		
	TRANSISTOR				
Q2601	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2602	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2603	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2604	8-729-600-22	TRANSISTOR	2SA1235-F		
	RESISTOR				
R2601	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2602	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2603	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2604	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2605	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2606	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2607	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2608	1-218-769-11	METAL CHIP	510K	0.50%	1/10W
R2609	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R2610	1-218-915-11	METAL CHIP	680K	0.50%	1/10W
R2611	1-218-889-11	METAL CHIP	56K	0.50%	1/10W
R2612	1-218-889-11	METAL CHIP	56K	0.50%	1/10W
R2613	1-218-911-11	METAL CHIP	470K	0.50%	1/10W
R2614	1-218-892-11	METAL CHIP	75K	0.50%	1/10W
R2615	1-218-897-11	METAL CHIP	120K	0.50%	1/10W
R2616	1-218-892-11	METAL CHIP	75K	0.50%	1/10W
R2617	1-218-897-11	METAL CHIP	120K	0.50%	1/10W
R2618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2619	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R2620	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2621	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2622	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2623	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2624	1-216-840-11	METAL CHIP	39K	5%	1/10W
R2625	1-216-295-91	SHORT CHIP			
R2626	1-216-295-91	SHORT CHIP			
R2627	1-216-295-91	SHORT CHIP			
R2628	1-216-295-91	SHORT CHIP			
R2629	1-218-889-11	METAL CHIP	56K	0.50%	1/10W
R2630	1-218-884-11	METAL CHIP	36K	0.50%	1/10W
R2631	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R2632	1-218-871-11	METAL CHIP	10K	0.50%	1/10W
R2633	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2634	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2635	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2636	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2637	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2638	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2639	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2640	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2641	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2642	1-216-833-11	METAL CHIP	10K	5%	1/10W

MT

Y-8284-851-A PLACA MT (VAR) MONTADA (KV-29FA310/29FS110/29FV210)
Y-8284-863-A PLACA MT (VAR) MONTADA (KV-21FV210)
Y-8284-841-A PLACA MT (VAR) MONTADA (KV-21FA310)

	CAPACITOR				
C003	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C004	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C005	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C006	1-126-767-11	ELECT	1000µF	20%	16V
C007	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C008	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C009	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C010	1-127-573-11	CERAMIC CHIP	1µF	10%	16V
C011	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C012	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V

MT

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C014	1-127-573-11	CERAMIC CHIP	1µF	10%	16V
C015	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C019	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C021	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C022	1-126-964-11	ELECT	10µF	20%	50V
C023	1-126-935-11	ELECT	470µF	20%	16V
C033	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C041	1-126-964-11	ELECT	10µF	20%	50V
C047	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C048	1-104-665-11	ELECT	100µF	20%	25V
C064	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C090	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C091	1-126-947-11	ELECT	47µF	20%	35V
C092	1-126-947-11	ELECT	47µF	20%	35V
C094	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C095	1-126-947-11	ELECT	47µF	20%	35V
C096	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C097	1-126-947-11	ELECT	47µF	20%	35V
C098	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C099	1-126-947-11	ELECT	47µF	20%	35V
C100	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C101	1-126-940-11	ELECT	330µF	20%	25V
C102	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C103	1-126-947-11	ELECT	47µF	20%	35V
C115	1-164-739-11	CERAMIC CHIP	560pF	5%	50V
C116	1-135-834-91	CERAMIC CHIP	2.2µF		6.3V
C301	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C302	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C303	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C304	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C305	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C306	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C307	1-125-837-91 (KV-21FA310/29FA310 ONLY)	CERAMIC CHIP	1µF	10%	6.3V
C308	1-125-837-91 (KV-21FA310/29FA310 ONLY)	CERAMIC CHIP	1µF	10%	6.3V
C309	1-115-156-11	CERAMIC CHIP	1µF		10V
C310	1-104-665-11	ELECT	100µF	20%	25V
C311	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C312	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C313	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C314	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C315	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C316	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C317	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C318	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C319	1-126-947-11	ELECT	47µF	20%	35V
C320	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C321	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C322	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C323	1-216-864-11	SHORT CHIP			
C324	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C325	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C326	1-164-505-11	CERAMIC CHIP	2.2µF		16V
C327	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C328	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
C330	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C337	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C350	1-126-964-11 (KV-29FA310 ONLY)	ELECT	10µF	20%	50V
C351	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C352	1-107-826-11 (KV-29FA310 ONLY)	CERAMIC CHIP	0.1µF	10%	16V
C353	1-107-826-11 (KV-29FA310 ONLY)	CERAMIC CHIP	0.1µF	10%	16V
C354	1-126-947-11 (KV-29FA310 ONLY)	ELECT	47µF	20%	35V
C355	1-107-826-11 (KV-29FA310 ONLY)	CERAMIC CHIP	0.1µF	10%	16V
C356	1-126-964-11	ELECT	10µF	20%	50V
C370	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C390	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C542	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C551	1-127-573-11	CERAMIC CHIP	1µF	10%	16V
C552	1-124-779-00	ELECT CHIP	10µF	20%	16V
C559	1-216-864-11	SHORT CHIP			
C601	1-126-963-11	ELECT	4.7µF	20%	50V
C665	1-104-665-11	ELECT	100µF	20%	25V
C666	1-104-665-11	ELECT	100µF	20%	25V
C701	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C702	1-126-947-11	ELECT	47µF	20%	35V
C3049	1-127-573-11	CERAMIC CHIP	1µF	10%	16V
C3051	1-126-964-11	ELECT	10µF	20%	50V
C3052	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C3053	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C3054	1-127-573-11	CERAMIC CHIP	1µF	10%	16V
C3057	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3307	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V

MT

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C3509	1-124-779-00	ELECT CHIP	10µF	20%	16V
	C3511	1-126-964-11	ELECT	10µF	20%	50V
	C3519	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
	C3520	1-126-933-11	ELECT	100µF	20%	16V
	C3525	1-128-590-11	ELECT CHIP	100µF	20%	6.3V
	C3534	1-107-826-11 (KV-21FA310/21FV210 ONLY)	CERAMIC CHIP	0.1µF	10%	16V
	C3534	1-162-966-11 (KV-29FA310 ONLY)	CERAMIC CHIP	0.0022µF	10%	50V
	C3536	1-115-416-11 (KV-29FA310 ONLY)	CERAMIC CHIP	0.001µF	5%	25V
	C3539	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C3542	1-115-414-11 (KV-29FA310 ONLY)	CERAMIC CHIP	820pF	5%	25V
	C3553	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C3554	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C3560	1-216-833-11	METAL CHIP	10K	5%	1/10W
	C3611	1-126-933-11	ELECT	100µF	20%	16V
	C3612	1-126-933-11	ELECT	100µF	20%	16V
	C3613	1-126-933-11	ELECT	100µF	20%	16V
	C3638	1-104-665-11	ELECT	100µF	20%	25V
	C3995	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
	C6003	1-127-573-11	CERAMIC CHIP	1µF	10%	16V

CONNECTOR

*	CN001	1-560-124-00	PLUG, CONNECTOR (2.5MM)	4P
*	CN301	1-564-512-11	PLUG, CONNECTOR	9P
*	CN303	1-564-515-11	PLUG, CONNECTOR	12P

DIODE

	D002	8-719-069-55	DIODE	UDZSTE-175.6B
	D004	8-719-977-28	DIODE	DTZ10B
	D005	8-719-977-28	DIODE	DTZ10B
	D006	8-719-069-55	DIODE	UDZSTE-175.6B
	D044	8-719-977-28	DIODE	DTZ10B
	D045	8-719-977-28	DIODE	DTZ10B
	D050	8-719-510-02	DIODE	D1NS4
	D051	6-500-567-21	DIODE	10ERB20-TB5
	D052	8-719-069-55	DIODE	UDZSTE-175.6B
	D110	8-719-404-50	DIODE	MA111-TX
	D250	1-803-974-21	VARISTOR, CHIP	(1608)
	D304	1-803-974-21	VARISTOR, CHIP	(1608)
	D351	6-500-697-01	DIODE	UDZSTE-173.3B
	D390	8-719-404-50	DIODE	MA111-TX
	D512	8-719-404-50	DIODE	MA111-TX
	D513	8-719-404-50	DIODE	MA111-TX
	D558	8-719-404-50	DIODE	MA111-TX
	D559	8-719-404-50	DIODE	MA111-TX
	D3402	1-803-974-21	VARISTOR, CHIP	(1608)
	D3501	8-719-404-50	DIODE	MA111-TX
	D3502	8-719-069-54	DIODE	UDZSTE-175.1B
	D3509	1-803-974-21	VARISTOR, CHIP	(1608)

FERRITE BEAD

FB301	1-400-427-21	FERRITE	0µH
FB302	1-469-549-21	INDUCTOR	1µH

FILTER

FL001	1-234-126-21	FERRITE	0µH

IC

IC001	6-805-549-01	IC	M65586MK-052FP-TRI
IC002	6-704-004-01	IC	BR24L16F-WE2
IC003	8-759-352-91	IC	PST9143NL
IC004	8-759-533-85	IC	L88M05T-FA-TL
IC301	6-708-387-01	IC	M61290FP-DF0T
IC565	8-759-700-44	IC	NJM2902M
IC633	8-759-641-26	IC	NJM2391DL1-33(TE1)
IC634	8-759-533-85	IC	L88M05T-FA-TL
IC3302	8-759-448-68 (KV-29FA310 ONLY)	IC	NJM2283V-TE1
IC3701	6-708-386-01	IC	AN15932A

CHIP CONDUCTOR

JR44	1-216-864-11	SHORT CHIP			
JR317	1-216-809-11	METAL CHIP	100	5%	1/10W
JR318	1-216-864-11	SHORT CHIP			
JR546	1-216-864-11	SHORT CHIP			
JR3503	1-216-864-11	SHORT CHIP			
JR3504	1-216-864-11	SHORT CHIP			
JR3505	1-216-864-11	SHORT CHIP			
JR3506	1-216-864-11	SHORT CHIP			
JR3507	1-216-864-11 (KV-29FA310)	SHORT CHIP			

REF. NO.	PART NO.	DESCRIPTION	VALUES
JR3508	1-216-864-11 (KV-29FA310)	SHORT CHIP	
JR3509	1-216-864-11 (KV-29FA310)	SHORT CHIP	
	COIL		
L002	1-234-126-21	FERRITE	0µH
L005	1-234-126-21	FERRITE	0µH
L006	1-414-273-11	INDUCTOR	100µH
L007	1-414-267-21	INDUCTOR	10µH
L011	1-234-126-21	FERRITE	0µH
L301	1-414-273-11	INDUCTOR	100µH
L302	1-414-273-11	INDUCTOR	100µH
L303	1-410-387-11	INDUCTOR	33µH
L304	1-414-267-21 (KV-29FA310 ONLY)	INDUCTOR	10µH
L611	1-469-561-21	INDUCTOR	100µH
L612	1-469-561-21	INDUCTOR	100µH
L613	1-469-561-21	INDUCTOR	100µH
L3003	1-234-126-21	FERRITE	0µH
L3004	1-234-126-21	FERRITE	0µH
L3609	1-414-267-21	INDUCTOR	10µH
	TRANSISTOR		
Q002	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q004	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q008	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q301	8-729-600-22	TRANSISTOR	2SA1235-F
Q303	8-729-600-22	TRANSISTOR	2SA1235-F
Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q305	8-729-600-22	TRANSISTOR	2SA1235-F
Q306	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q307	8-729-600-22	TRANSISTOR	2SA1235-F
Q308	8-729-600-22	TRANSISTOR	2SA1235-F
Q309	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q310	8-729-600-22	TRANSISTOR	2SA1235-F
Q311	8-729-600-22	TRANSISTOR	2SA1235-F
Q316	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q390	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q391	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q503	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q504	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q505	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q515	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q519	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q533	8-729-600-22	TRANSISTOR	2SA1235-F
Q860	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q3005	8-729-600-22	TRANSISTOR	2SA1235-F
Q3300	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q3304	8-729-600-22	TRANSISTOR	2SA1235-F
Q3502	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q6000	8-729-120-28	TRANSISTOR	2SC1623-L5L6
	RESISTOR		
R002	1-216-864-11	SHORT CHIP	
R003	1-216-821-11	METAL CHIP	1K 5% 1/10W
R004	1-216-817-11	METAL CHIP	470 5% 1/10W
R005	1-400-427-21	FERRITE	0µH
R006	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R007	1-400-427-21	FERRITE	0µH
R008	1-216-864-11	SHORT CHIP	
R009	1-216-864-11	SHORT CHIP	
R010	1-216-809-11	METAL CHIP	100 5% 1/10W
R015	1-216-833-11	METAL CHIP	10K 5% 1/10W
R027	1-218-887-11	METAL CHIP	47K 0.50% 1/10W
R028	1-216-813-11	METAL CHIP	220 5% 1/10W
R030	1-216-813-11	METAL CHIP	220 5% 1/10W
R031	1-216-813-11	METAL CHIP	220 5% 1/10W
R032	1-216-813-11	METAL CHIP	220 5% 1/10W
R034	1-216-864-11	SHORT CHIP	
R035	1-216-809-11	METAL CHIP	100 5% 1/10W
R037	1-216-833-11	METAL CHIP	10K 5% 1/10W
R038	1-216-813-11	METAL CHIP	220 5% 1/10W
R039	1-216-813-11	METAL CHIP	220 5% 1/10W
R040	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R041	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R042	1-216-813-11	METAL CHIP	220 5% 1/10W
R043	1-216-813-11	METAL CHIP	220 5% 1/10W
R044	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R045	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R047	1-216-813-11	METAL CHIP	220 5% 1/10W
R048	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R049	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R050	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R053	1-216-837-11	METAL CHIP	22K 5% 1/10W
R054	1-216-837-11	METAL CHIP	22K 5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R059	1-216-821-11	METAL CHIP	1K	5%	1/10W
R060	1-216-813-11	METAL CHIP	220	5%	1/10W
R061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R062	1-216-817-11	METAL CHIP	470	5%	1/10W
R063	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R070	1-216-813-11	METAL CHIP	220	5%	1/10W
R076	1-216-809-11	METAL CHIP	100	5%	1/10W
R080	1-216-833-11	METAL CHIP	10K	5%	1/10W
R081	1-216-841-11	METAL CHIP	47K	5%	1/10W
R082	1-216-857-11	METAL CHIP	1M	5%	1/10W
R083	1-216-847-11	METAL CHIP	150K	5%	1/10W
R084	1-216-819-11	METAL CHIP	680	5%	1/10W
R090	1-216-837-11	METAL CHIP	22K	5%	1/10W
R091	1-216-841-11	METAL CHIP	47K	5%	1/10W
R092	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R093	1-216-841-11	METAL CHIP	47K	5%	1/10W
R094	1-216-864-11	SHORT CHIP			
R095	1-216-864-11	SHORT CHIP			
R096	1-216-813-11	METAL CHIP	220	5%	1/10W
R097	1-216-813-11	METAL CHIP	220	5%	1/10W
R100	1-216-849-11	METAL CHIP	220K	5%	1/10W
R101	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R110	1-216-813-11	METAL CHIP	220	5%	1/10W
R112	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R115	1-216-817-11	METAL CHIP	470	5%	1/10W
R116	1-216-853-11	METAL CHIP	470K	5%	1/10W
R131	1-216-813-11	METAL CHIP	220	5%	1/10W
R201	1-216-813-11	METAL CHIP	220	5%	1/10W
R203	1-216-813-11	METAL CHIP	220	5%	1/10W
R213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R302	1-216-864-11	SHORT CHIP			
R303	1-216-864-11	SHORT CHIP			
R304	1-216-813-11	METAL CHIP	220	5%	1/10W
R306	1-216-864-11	SHORT CHIP			
R308	1-216-864-11	SHORT CHIP			
R309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R310	1-216-821-11	METAL CHIP	1K	5%	1/10W
R311	1-216-813-11	METAL CHIP	220	5%	1/10W
R312	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R313	1-216-864-11	SHORT CHIP			
R314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R315	1-216-864-11	SHORT CHIP			
R316	1-216-864-11	SHORT CHIP			
R318	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R319	1-216-813-11	METAL CHIP	220	5%	1/10W
R320	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R321	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R322	1-216-864-11 (KV-21FA310/29FA310 ONLY)	SHORT CHIP			
R322	1-107-826-11 (KV-21FV210 ONLY)	CERAMIC CHIP	0.1µF	10%	16V
R323	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R324	1-216-821-11	METAL CHIP	1K	5%	1/10W
R325	1-216-809-11	METAL CHIP	100	5%	1/10W
R326	1-400-427-21	FERRITE	0µH		
R328	1-216-809-11	METAL CHIP	100	5%	1/10W
R329	1-216-809-11	METAL CHIP	100	5%	1/10W
R330	1-216-809-11	METAL CHIP	100	5%	1/10W
R331	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R332	1-216-813-11	METAL CHIP	220	5%	1/10W
R333	1-216-809-11	METAL CHIP	100	5%	1/10W
R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R335	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R336	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R337	1-216-801-11	METAL CHIP	22	5%	1/10W
R338	1-216-821-11	METAL CHIP	1K	5%	1/10W
R339	1-216-818-11	METAL CHIP	560	5%	1/10W
R340	1-216-818-11	METAL CHIP	560	5%	1/10W
R341	1-218-845-11	METAL CHIP	820	0.50%	1/10W
R342	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R343	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R344	1-216-821-11	METAL CHIP	1K	5%	1/10W
R345	1-216-864-11	SHORT CHIP			
R346	1-216-809-11	METAL CHIP	100	5%	1/10W
R347	1-216-817-11	METAL CHIP	470	5%	1/10W
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W
R349	1-216-864-11 (KV-29FA310)	SHORT CHIP			
R350	1-216-864-11 (KV-21FA310/29FA310)	SHORT CHIP			
R351	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R352	1-216-853-11	METAL CHIP	470K	5%	1/10W
R354	1-216-813-11	METAL CHIP	220	5%	1/10W
R356	1-216-864-11 (KV-29FA310)	SHORT CHIP			
R357	1-216-864-11 (KV-21FA310/29FA310)	SHORT CHIP			

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R358	1-216-864-11 (KV-21FA310)	SHORT CHIP			
R359	1-216-864-11 (KV-29FA310)	SHORT CHIP			
R360	1-216-864-11 (KV-21FA310/29FA310)	SHORT CHIP			
R362	1-216-864-11 (KV-21FA310)	SHORT CHIP			
R365	1-216-864-11	SHORT CHIP			
R370	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R371	1-216-849-11	METAL CHIP	220K	5%	1/10W
R372	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R374	1-216-821-11	METAL CHIP	1K	5%	1/10W
R375	1-216-811-11	METAL CHIP	150	5%	1/10W
R376	1-216-833-11 (KV-29FA310 ONLY)	METAL CHIP	10K	5%	1/10W
R382	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
R386	1-216-833-11	METAL CHIP	10K	5%	1/10W
R511	1-216-864-11	SHORT CHIP			
R513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R515	1-216-845-11	METAL CHIP	100K	5%	1/10W
R526	1-216-837-11	METAL CHIP	22K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R547	1-218-891-11 (KV-29FA310)	METAL CHIP	68K	0.50%	1/10W
R547	1-218-869-11 (KV-21FA310/21FV210)	METAL CHIP	8.2K	0.50%	1/10W
R556	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R557	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R601	1-215-905-11	METAL OXIDE	10	5%	3W
R634	1-215-905-11	METAL OXIDE	10	5%	3W
R701	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R702	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R703	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R704	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R707	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R851	1-216-821-11	METAL CHIP	1K	5%	1/10W
R852	1-218-887-11 (KV-29FA310)	METAL CHIP	47K	0.50%	1/10W
R852	1-218-855-11 (KV-21FA310/21FV210)	METAL CHIP	2.2K	0.50%	1/10W
R860	1-216-833-11	METAL CHIP	10K	5%	1/10W
R861	1-216-833-11	METAL CHIP	10K	5%	1/10W
R862	1-216-813-11	METAL CHIP	220	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R900	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3057	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3058	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3085	1-216-864-11	SHORT CHIP			
R3086	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3087	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-216-864-11 (KV-21FV210)	SHORT CHIP			
R3302	1-216-864-11 (KV-21FV210)	SHORT CHIP			
R3303	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
R3305	1-216-864-11	SHORT CHIP			
R3308	1-216-809-11	METAL CHIP	100	5%	1/10W
R3315	1-216-813-11	METAL CHIP	220	5%	1/10W
R3316	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3317	1-216-813-11	METAL CHIP	220	5%	1/10W
R3328	1-216-864-11	SHORT CHIP			
R3390	1-216-864-11	SHORT CHIP			
R3391	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3392	1-216-818-11	METAL CHIP	560	5%	1/10W
R3393	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3395	1-216-864-11	SHORT CHIP			
R3396	1-216-864-11	SHORT CHIP			
R3502	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3504	1-216-864-11	SHORT CHIP			
R3517	1-218-873-11 (KV-29FA310)	METAL CHIP	12K	0.50%	1/10W
R3517	1-216-864-11 (KV-21FA310/21FV210)	SHORT CHIP			
R3518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3519	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3524	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R3525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3527	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3529	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3530	1-218-865-11 (KV-29FA310)	METAL CHIP	5.6K	0.50%	1/10W
R3531	1-107-826-11 (KV-21FA310/21FV210)	CERAMIC CHIP	0.1µF	10%	16V
R3532	1-216-864-11	SHORT CHIP			
R3533	1-218-869-11 (KV-29FA310)	METAL CHIP	8.2K	0.50%	1/10W

MT TW

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3534	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
R3535	1-218-865-11	METAL CHIP	5.6K	0.50%	1/10W
R3536	1-218-871-11 (KV-29FA310)	METAL CHIP	10K	0.50%	1/10W
R3537	1-216-855-11 (KV-29FA310)	METAL CHIP	680K	5%	1/10W
R3537	1-216-845-11 (KV-21FA310/21FV210)	METAL CHIP	100K	5%	1/10W
R3539	1-216-864-11	SHORT CHIP			
R3541	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R3542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3543	1-216-815-11	METAL CHIP	330	5%	1/10W
R3550	1-216-817-11	METAL CHIP	470	5%	1/10W
R3551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3553	1-216-864-11	SHORT CHIP			
R3554	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3555	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3559	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3599	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3910	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R3990	1-216-809-11 (KV-21FA310/29FA310)	METAL CHIP	100	5%	1/10W
R3990	1-107-826-11 (KV-21FV210)	CERAMIC CHIP	0.1µF	10%	16V
R6001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6004	1-216-821-11	METAL CHIP	1K	5%	1/10W

CRYSTAL

X001	1-795-006-21	VIBRATOR, CRYSTAL	
X301	1-781-377-31	VIBRATOR, CRYSTAL	
X302	1-813-592-21	QUARTZ CRYSTAL	UNIT

TW

Y-8285-024-A PLACA TW (COM)MONTADA (KV-29FV210)

*	1-900-807-65	CONN ASSY, 2P MM BOARD	

CAPACITOR

C1005	1-126-935-11	ELECT	470µF	20%	16V
C1006	1-126-935-11	ELECT	470µF	20%	16V

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1007	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1010	1-126-935-11	ELECT	470µF	20%	16V
C1302	1-126-947-11	ELECT	47µF	20%	35V
C1317	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1332	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1352	1-126-947-11	ELECT	47µF	20%	35V
C1373	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C1374	1-126-933-11	ELECT	100µF	20%	16V
C1375	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1376	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1377	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C1378	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1379	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1380	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1381	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1382	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1383	1-126-933-11	ELECT	100µF	20%	16V
C1384	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1385	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1387	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1388	1-126-933-11	ELECT	100µF	20%	16V
C1389	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1390	1-126-933-11	ELECT	100µF	20%	16V
C1394	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C1396	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2402	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2403	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2404	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2405	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2408	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2410	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2411	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2412	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2415	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2416	1-104-656-11	ELECT	2200µF	20%	6.3V
C2419	1-126-768-11	ELECT	2200µF	20%	16V
C2435	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2436	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2451	1-104-666-11	ELECT	220µF	20%	25V

CONNECTOR

*	CN1306	1-564-515-11	PLUG, CONNECTOR	12P
*	CN2404	1-564-508-11	PLUG, CONNECTOR	5P
*	CN2405	1-564-506-11	PLUG, CONNECTOR	3P

TW

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	FERRITE BEAD				
FB1301	1-412-911-11	FERRITE	0µH		
	FILTER				
FL1301	1-239-847-11	FILTER, LOW PASS			
FL1302	1-239-847-11	FILTER, LOW PASS			
FL1303	1-239-847-11	FILTER, LOW PASS			
	IC				
IC1302	6-701-597-01	IC	TC90A69NG		
IC1506	8-759-533-85	IC	L88M05T-FA-TL		
IC2403	8-759-689-71	IC	NJM2188M-TE2		
	CHIP CONDUCTOR				
JR1301	1-216-864-11	SHORT CHIP			
JR1302	1-216-864-11	SHORT CHIP			
JR1304	1-216-864-11	SHORT CHIP			
	COIL				
L1305	1-410-470-11	INDUCTOR	10µH		
L1306	1-410-470-11	INDUCTOR	10µH		
L1307	1-410-470-11	INDUCTOR	10µH		
L1310	1-410-470-11	INDUCTOR	10µH		
L2400	1-410-470-11	INDUCTOR	10µH		
	TRANSISTOR				
Q1301	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1302	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1303	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1304	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1305	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1306	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1307	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1308	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1313	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1321	8-729-600-22	TRANSISTOR	2SA1235-F		
	RESISTOR				
R1057	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1058	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1301	1-216-864-11	SHORT CHIP			
R1304	1-216-864-11	SHORT CHIP			
R1310	1-216-864-11	SHORT CHIP			
R1311	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1314	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1317	1-216-818-11	METAL CHIP	560	5%	1/10W
R1318	1-216-864-11	SHORT CHIP			
R1319	1-216-809-11	METAL CHIP	100	5%	1/10W
R1320	1-216-809-11	METAL CHIP	100	5%	1/10W
R1321	1-216-809-11	METAL CHIP	100	5%	1/10W
R1322	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1323	1-216-818-11	METAL CHIP	560	5%	1/10W
R1324	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1325	1-216-809-11	METAL CHIP	100	5%	1/10W
R1326	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1330	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W
R1332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1333	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1334	1-216-809-11	METAL CHIP	100	5%	1/10W
R1335	1-216-809-11	METAL CHIP	100	5%	1/10W
R1336	1-216-816-11	METAL CHIP	390	5%	1/10W
R1337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1353	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1354	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1356	1-216-809-11	METAL CHIP	100	5%	1/10W
R1357	1-216-818-11	METAL CHIP	560	5%	1/10W
R1358	1-216-815-11	METAL CHIP	330	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1361	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1363	1-216-809-11	METAL CHIP	100	5%	1/10W
R1365	1-216-818-11	METAL CHIP	560	5%	1/10W
R1367	1-216-809-11	METAL CHIP	100	5%	1/10W
R1399	1-216-815-11	METAL CHIP	330	5%	1/10W
R2408	1-247-791-91	CARBON	22	5%	1/4W
R2410	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R2411	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2412	1-216-843-11	METAL CHIP	68K	5%	1/10W

TW HU HW

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2413	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2414	1-216-846-11	METAL CHIP	120K	5%	1/10W
R2415	1-216-842-11	METAL CHIP	56K	5%	1/10W
R2416	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R2463	1-249-409-11	CARBON	220	5%	1/4W

HU

* **Y-8284-849-A PLACA HU MONTADA (KV-29FA310/29FV210)**

CAPACITOR

C2201	1-164-646-11	CERAMIC	2200pF	10%	500V
C2234	1-137-194-81	FILM	0.47µF	5%	50V
C2235	1-137-194-81	FILM	0.47µF	5%	50V

CONNECTOR

* CN1001	1-564-509-11	PLUG, CONNECTOR	6P		

DIODE

D301	8-719-108-12	DIODE	RD9.1EW		
D2235	8-719-108-12	DIODE	RD9.1EW		
D2236	8-719-108-12	DIODE	RD9.1EW		
D2238	8-719-109-93	DIODE	RD6.2ESB2		
D2239	8-719-109-93	DIODE	RD6.2ESB2		
D2240	8-719-929-15	DIODE	HZS9.1NB2		
D2241	8-719-929-15	DIODE	HZS9.1NB2		

JACK

J2231	1-794-048-11	JACK, PIN	3P		

RESISTOR

R1001	1-249-427-11	CARBON	6.8K	5%	1/4W
R1002	1-249-421-11	CARBON	2.2K	5%	1/4W
R1003	1-249-419-11	CARBON	1.5K	5%	1/4W
R2008	1-249-427-11	CARBON	6.8K	5%	1/4W
R2009	1-249-421-11	CARBON	2.2K	5%	1/4W
R2010	1-249-416-11	CARBON	820	5%	1/4W
R2011	1-249-415-11	CARBON	680	5%	1/4W
R2235	1-249-409-11	CARBON	220	5%	1/4W
R2236	1-249-441-11	CARBON	100K	5%	1/4W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2237	1-249-409-11	CARBON	220	5%	1/4W
R2238	1-249-441-11	CARBON	100K	5%	1/4W

SWITCH

S1007	1-762-816-11	SWITCH, TACTILE
S1008	1-762-816-11	SWITCH, TACTILE
S2001	1-692-431-21	SWITCH, TACTILE
S2002	1-692-431-21	SWITCH, TACTILE
S2003	1-692-431-21	SWITCH, TACTILE
S2004	1-692-431-21	SWITCH, TACTILE
S2005	1-692-431-21	SWITCH, TACTILE

HW

A-1108-299-A PLACA HW (VAR) MONTADA (KV-21FA310/21FV210)
A-1108-300-A PLACA HW (VAR) MONTADA (KV-29FA310/29FV210)

CAPACITOR

C3001	1-104-665-11	ELECT	100µF	20%	25V

CONNECTOR

* CN3001	1-564-521-11	PLUG, CONNECTOR	6P		

DIODE

D3002	8-719-057-09	DIODE	LNJ801LPDJA
D3003	8-719-057-09	DIODE	LNJ801LPDJA
D3004	8-719-070-57	DIODE	PDZ5.6B-115

IC

IC3001	8-742-211-20	HYB IC	SBX3071-71

RESISTOR

R3001	1-249-417-11	CARBON	1K	5%	1/4W
R3002	1-249-417-11	CARBON	1K	5%	1/4W
R3014	1-247-807-31	CARBON	100	5%	1/4W

SWITCH

S3006	1-786-338-12	SWITCH, TACTILE

NOTA: Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua pela peça indicada

CV HE

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
CV						
		A-1108-298-A	**PLACA CV (VAR) MONTADA (KV-21FA310/21FV210)**			
		4-382-854-11	SCREW (M3X10), P, SW (+)			
		CAPACITOR				
	C704	1-107-652-11	ELECT	10µF	20%	250V
	C705	1-107-652-11	ELECT	10µF	20%	250V
	C706	1-137-528-11	MYLAR	0.1µF	10%	250V
	C711	1-102-074-00	CERAMIC	0.001µF	10%	50V
	C715	1-162-114-00	CERAMIC	0.0047µF		2KV
	C716	1-162-114-00	CERAMIC	0.0047µF		2KV
		CONNECTOR				
	CN703	1-695-915-11	TAB (CONTACT)			
*	CN704	1-785-879-21	ONE TOUCH CONNECTOR			
*	CN706	1-564-510-11	PLUG, CONNECTOR	7P		
		DIODE				
	D701	8-719-901-83	DIODE	1SS83		
	D702	8-719-901-83	DIODE	1SS83		
	D703	8-719-901-83	DIODE	1SS83		
	D704	8-719-074-25	DIODE	PG104R		
	D705	8-719-108-12	DIODE	RD9.1EW		
		IC				
	IC702	8-759-562-43	IC	TDA6108JF/N1B		
		JACK				
⚠	J701	1-451-470-21	SOCKET, CRT			
		COIL				
	L701	1-410-482-31	INDUCTOR	100µH		
		RESISTOR				
	R708	1-247-807-31	CARBON	100	5%	1/4W
	R709	1-247-807-31	CARBON	100	5%	1/4W
	R710	1-247-807-31	CARBON	100	5%	1/4W
	R711	1-260-328-11	CARBON	1K	5%	1/2W
	R712	1-260-328-11	CARBON	1K	5%	1/2W
	R713	1-260-328-11	CARBON	1K	5%	1/2W
	R714	1-260-087-11	CARBON	100	5%	1/2W
	R715	1-260-132-11	CARBON	560K	5%	1/2W
	R716	1-260-087-11	CARBON	100	5%	1/2W
	R717	1-216-379-21	METAL OXIDE	6.8	5%	2W
	R718	1-216-379-21	METAL OXIDE	6.8	5%	2W
	R722	1-247-807-31	CARBON	100	5%	1/4W
	R723	1-247-807-31	CARBON	100	5%	1/4W
	R724	1-247-807-31	CARBON	100	5%	1/4W
	R731	1-216-864-11	SHORT CHIP			
		VARIABLE RESISTOR				
⚠	RV701	1-241-656-11	RES, ADJ, METAL FILM 110M			
HE						
		A-1102-620-A (KV-21FV210)	**PLACA HE (VAR) MONTADA**			
		A-1102-621-A (KV-21FA310)	**PLACA HE (VAR) MONTADA**			
		CAPACITOR				
	C2201	1-164-646-11	CERAMIC	2200pF	10%	500V
	C2234	1-126-960-11	ELECT	1µF	20%	50V
	C2235	1-126-960-11	ELECT	1µF	20%	50V
	C2401	1-126-965-91	ELECT	22µF	20%	50V
	C2402	1-126-965-91	ELECT	22µF	20%	50V
		CONNECTOR				
*	CN2005	1-564-515-11	PLUG, CONNECTOR	12P		
*	CN2006	1-564-509-11	PLUG, CONNECTOR	6P		
*	CN2402	1-564-507-11	PLUG, CONNECTOR	4P		
		DIODE				
	D2003	8-719-109-89	DIODE	RD5.6ESB2		
	D2004	8-719-109-89	DIODE	RD5.6ESB2		
	D2005	8-719-109-89	DIODE	RD5.6ESB2		
	D2233	8-719-108-12	DIODE	RD9.1EW		
	D2235	8-719-108-12	DIODE	RD9.1EW		
	D2236	8-719-108-12	DIODE	RD9.1EW		

HE HS

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	FERRITE BEAD				
FB2001	1-410-397-21	FERRITE	1.1µH		
FB2002	1-410-397-21	FERRITE	1.1µH		
FB2003	1-410-397-21	FERRITE	1.1µH		
FB2004	1-410-397-21	FERRITE	1.1µH		
	JACK				
J2231	1-794-048-11	JACK, PIN	3P		
J2401	1-568-267-21 (KV-21FV210)	JACK			
J2402	1-750-264-31 (KV-21FA310)	JACK			
	TRANSISTOR				
Q2001	8-729-922-37 (KV-21FA310)	TRANSISTOR	2SD2144S-UVW		
	RESISTOR				
R2001	1-249-437-11 (KV-21FA310 ONLY)	CARBON	47K	5%	1/4W
R2008	1-249-427-11	CARBON	6.8K	5%	1/4W
R2009	1-249-421-11	CARBON	2.2K	5%	1/4W
R2010	1-249-416-11	CARBON	820	5%	1/4W
R2011	1-249-415-11	CARBON	680	5%	1/4W
R2201	1-249-419-11	CARBON	1.5K	5%	1/4W
R2202	1-249-421-11	CARBON	2.2K	5%	1/4W
R2203	1-249-427-11	CARBON	6.8K	5%	1/4W
R2235	1-249-409-11	CARBON	220	5%	1/4W
R2236	1-249-441-11	CARBON	100K	5%	1/4W
R2237	1-249-409-11	CARBON	220	5%	1/4W
R2238	1-249-441-11	CARBON	100K	5%	1/4W
R2401	1-249-413-11	CARBON	470	5%	1/4W
R2402	1-249-413-11	CARBON	470	5%	1/4W
	SWITCH				
S2001	1-692-431-21	SWITCH, TACTILE			
S2002	1-692-431-21	SWITCH, TACTILE			
S2003	1-692-431-21	SWITCH, TACTILE			
S2004	1-692-431-21	SWITCH, TACTILE			
S2005	1-692-431-21	SWITCH, TACTILE			
S2007	1-762-816-11	SWITCH, TACTILE			
S2008	1-762-816-11	SWITCH, TACTILE			

HS

A-1104-993-A PLACA HS (VAR) MONTADA (KV-29FS110)

	CAPACITOR				
C1001	1-104-665-11	ELECT	100µF	20%	25V
C1201	1-130-471-00	MYLAR	0.001µF	5%	50V
C1234	1-126-960-11	ELECT	1µF	20%	50V
C1235	1-126-960-11	ELECT	1µF	20%	50V
	DIODE				
D1001	8-719-929-15	DIODE	HZS9.1NB2		
D1002	8-719-070-79	DIODE	LNK0220022G1		
D1003	8-719-929-15	DIODE	HZS9.1NB2		
D1004	8-719-929-15	DIODE	HZS9.1NB2		
D1005	8-719-929-15	DIODE	HZS9.1NB2		
D1233	8-719-108-12	DIODE	RD9.1EW		
D1235	8-719-108-12	DIODE	RD9.1EW		
D1236	8-719-108-12	DIODE	RD9.1EW		
	IC				
IC1001	8-742-212-20	HYB IC	SBX3081-71		
	JACK				
J1231	1-794-048-11	JACK, PIN	3P		
	RESISTOR				
R1004	1-249-417-11	CARBON	1K	5%	1/4W
R1005	1-249-417-11	CARBON	1K	5%	1/4W
R1007	1-247-807-31	CARBON	100	5%	1/4W
R1008	1-249-427-11	CARBON	6.8K	5%	1/4W
R1009	1-249-421-11	CARBON	2.2K	5%	1/4W
R1010	1-249-416-11	CARBON	820	5%	1/4W
R1011	1-249-415-11	CARBON	680	5%	1/4W
R1201	1-249-419-11	CARBON	1.5K	5%	1/4W
R1202	1-249-421-11	CARBON	2.2K	5%	1/4W
R1203	1-249-427-11	CARBON	6.8K	5%	1/4W

HS KS

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1235	1-249-409-11	CARBON	220	5%	1/4W
R1236	1-249-441-11	CARBON	100K	5%	1/4W
R1237	1-249-409-11	CARBON	220	5%	1/4W
R1238	1-249-441-11	CARBON	100K	5%	1/4W
	SWITCH				
S1001	1-692-431-21	SWITCH, TACTILE			
S1002	1-692-431-21	SWITCH, TACTILE			
S1003	1-692-431-21	SWITCH, TACTILE			
S1004	1-692-431-21	SWITCH, TACTILE			
S1005	1-692-431-21	SWITCH, TACTILE			
S1006	1-692-431-21	SWITCH, TACTILE			
S1007	1-762-816-11	SWITCH, TACTILE			
S1008	1-762-816-11	SWITCH, TACTILE			

KS

*	**Y-8284-837-A (KV-21FA310)**	**PLACA KS MONTADA**			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	CAPACITOR				
C2401	1-130-495-00	MYLAR	0.1µF	5%	50V
C2402	1-130-495-00	MYLAR	0.1µF	5%	50V
C2403	1-126-964-11	ELECT	10µF	20%	50V
C2404	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2405	1-126-965-91	ELECT	22µF	20%	50V
C2406	1-126-964-11	ELECT	10µF	20%	50V
C2407	1-126-964-11	ELECT	10µF	20%	50V
C2408	1-162-969-11	CERAMIC CHIP	0.0068µF	10%	25V
C2410	1-126-969-11	ELECT	220µF	20%	50V
C2411	1-126-965-91	ELECT	22µF	20%	50V
C2412	1-137-194-81	FILM	0.47µF	5%	50V
C2413	1-100-120-51	ELECT	1000µF	20%	35V
C2414	1-126-963-11	ELECT	4.7µF	20%	50V
C2415	1-126-967-11	ELECT	47µF	20%	50V
C2416	1-164-172-11	CERAMIC CHIP	0.0056µF	10%	25V
C2417	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2418	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2419	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2420	1-126-959-11	ELECT	0.47µF	20%	50V
C2421	1-126-959-11	ELECT	0.47µF	20%	50V

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2422	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2423	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2424	1-162-969-11	CERAMIC CHIP	0.0068µF	10%	25V
C2425	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2426	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2427	1-126-947-11	ELECT	47µF	20%	35V
C2428	1-126-943-11	ELECT	2200µF	20%	25V
C2429	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2430	1-126-960-11	ELECT	1µF	20%	50V
C2431	1-126-963-11	ELECT	4.7µF	20%	50V
C2432	1-126-963-11	ELECT	4.7µF	20%	50V
C2433	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2434	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2435	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2436	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2437	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2438	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C2439	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C2440	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2441	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C2442	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2443	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C2444	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2445	1-126-965-91	ELECT	22µF	20%	50V
C2446	1-130-495-00	MYLAR	0.1µF	5%	50V
C2447	1-130-495-00	MYLAR	0.1µF	5%	50V
C2448	1-137-190-91	FILM	0.22µF	5%	50V
C2449	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2450	1-126-963-11	ELECT	4.7µF	20%	50V
C2451	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C2452	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C2453	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2454	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2455	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2456	1-126-963-11	ELECT	4.7µF	20%	50V
C2457	1-126-963-11	ELECT	4.7µF	20%	50V
C2458	1-126-963-11	ELECT	4.7µF	20%	50V
C2459	1-126-965-91	ELECT	22µF	20%	50V
C2460	1-137-194-81	FILM	0.47µF	5%	50V
C2461	1-126-963-11	ELECT	4.7µF	20%	50V
C2462	1-126-963-11	ELECT	4.7µF	20%	50V
C2463	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2464	1-126-960-11	ELECT	1µF	20%	50V
C2465	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V

	REF. NO.	PART NO.	DESCRIPTION	VALUES		
	C2466	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2467	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
	C2468	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
	C2469	1-130-495-00	MYLAR	0.1µF	5%	50V
	C2470	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2471	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2472	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C2473	1-126-964-11	ELECT	10µF	20%	50V
	C2474	1-126-964-11	ELECT	10µF	20%	50V
	C2475	1-126-968-11	ELECT	100µF	20%	50V
	C2476	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C2477	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C2478	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2479	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C2480	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C2481	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2482	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C2484	1-130-495-00	MYLAR	0.1µF	5%	50V
	C2485	1-130-495-00	MYLAR	0.1µF	5%	50V
	C2486	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C2487	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	C2488	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
	C2489	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	C2490	1-104-665-11	ELECT	100µF	20%	25V
	C2493	1-126-935-11	ELECT	470µF	20%	16V
	C2494	1-126-935-11	ELECT	470µF	20%	16V
	C2495	1-126-935-11	ELECT	470µF	20%	16V
	C2496	1-126-935-11	ELECT	470µF	20%	16V
	C2499	1-164-315-11	CERAMIC CHIP	470pF	5%	50V

CONNECTOR

*	CN2401	1-564-511-11	PLUG, CONNECTOR	8P
*	CN2402	1-564-508-11	PLUG, CONNECTOR	5P
*	CN2403	1-564-506-11	PLUG, CONNECTOR	3P

DIODE

D2400	8-719-404-50	DIODE	MA111-TX
D2401	8-719-070-60	DIODE	PDZ7.5B-115

REF. NO.	PART NO.	DESCRIPTION	VALUES		
	IC				
IC2401	6-705-054-01	IC	TDA8947J/N3		
IC2402	8-759-100-96	IC	UPC4558G2		
IC2403	6-706-034-01	IC	NJW1164M-TE2		
IC2404	8-759-165-01	IC	NJM2177AFG1		
IC2405	8-759-686-15	IC	NJM2180M (TE2)		
	CHIP CONDUCTOR				
JR2401	1-216-864-11	SHORT CHIP			
JR2402	1-216-864-11	SHORT CHIP			
JR2410	1-216-864-11	SHORT CHIP			
JR2411	1-216-864-11	SHORT CHIP			
JR2420	1-216-864-11	SHORT CHIP			
JR2421	1-216-864-11	SHORT CHIP			
	IC LINK				
PS2401	1-576-337-21	IC LINK	2.7A	50V	
	TRANSISTOR				
Q2400	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2401	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2410	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2411	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2412	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2413	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2414	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2418	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2419	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
	RESISTOR				
R2401	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2403	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2404	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2405	1-218-895-11	METAL CHIP	100K	0.50%	1/10W
R2406	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2407	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2408	1-218-868-11	METAL CHIP	7.5K	0.50%	1/10W
R2409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2410	1-216-835-11	METAL CHIP	15K	5%	1/10W

KS

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2411	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2457	1-216-864-11	SHORT CHIP			
R2412	1-218-868-11	METAL CHIP	7.5K	0.50%	1/10W	R2458	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R2413	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2459	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2414	1-216-835-11	METAL CHIP	15K	5%	1/10W	R2460	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2415	1-220-397-11	METAL CHIP	4.7M	5%	1/10W	R2461	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2416	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2462	1-218-296-11	METAL CHIP	75K	5%	1/10W
R2417	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2463	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2418	1-216-809-11	METAL CHIP	100	5%	1/10W	R2464	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2419	1-216-809-11	METAL CHIP	100	5%	1/10W	R2465	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R2420	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2466	1-218-866-11	METAL CHIP	6.2K	0.50%	1/10W
R2421	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2467	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2422	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2468	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2423	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2469	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2424	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2470	1-216-840-11	METAL CHIP	39K	5%	1/10W
R2425	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2471	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R2426	1-216-817-11	METAL CHIP	470	5%	1/10W	R2472	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2427	1-216-817-11	METAL CHIP	470	5%	1/10W	R2473	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R2428	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2474	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2475	1-218-296-11	METAL CHIP	75K	5%	1/10W
R2430	1-216-809-11	METAL CHIP	100	5%	1/10W	R2476	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2431	1-216-809-11	METAL CHIP	100	5%	1/10W	R2477	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2432	1-216-864-11	SHORT CHIP				R2478	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2433	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2479	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2434	1-218-895-11	METAL CHIP	100K	0.50%	1/10W	R2480	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2435	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2481	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2436	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2437	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2483	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2438	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2484	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2439	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2485	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2440	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2441	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2487	1-218-717-11	METAL CHIP	11K	0.50%	1/10W
R2442	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2443	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2489	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2446	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2490	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2447	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2491	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2448	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2492	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2449	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2493	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2450	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2494	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2451	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2495	1-218-292-11	METAL CHIP	20K	5%	1/10W
R2452	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2496	1-216-847-11	METAL CHIP	150K	5%	1/10W
R2453	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2497	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2454	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2498	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2455	1-216-809-11	METAL CHIP	100	5%	1/10W	R2499	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2456	1-216-809-11	METAL CHIP	100	5%	1/10W	R2500	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

KS KT

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2501	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2502	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2503	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2504	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2507	1-216-809-11	METAL CHIP	100	5%	1/10W
R2519	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2520	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2522	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2524	1-216-864-11	SHORT CHIP			

KT

*	**Y-8284-847-A (KV-29FA310)**	**PLACA KT MONTADA**			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	CAPACITOR				
C1005	1-126-935-11	ELECT	470µF	20%	16V
C1006	1-126-935-11	ELECT	470µF	20%	16V
C1007	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1010	1-126-935-11	ELECT	470µF	20%	16V
C1302	1-126-947-11	ELECT	47µF	20%	35V
C1317	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1332	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C1352	1-126-947-11	ELECT	47µF	20%	35V
C1373	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C1374	1-126-933-11	ELECT	100µF	20%	16V
C1375	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1376	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C1377	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C1378	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1379	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1380	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1381	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1382	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1383	1-126-933-11	ELECT	100µF	20%	16V
C1384	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1385	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1387	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1388	1-126-933-11	ELECT	100µF	20%	16V
C1389	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C1390	1-126-933-11	ELECT	100µF	20%	16V

REF. NO.	PART NO.	DESCRIPTION	VALUES		
C1394	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C1396	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2401	1-130-495-00	MYLAR	0.1µF	5%	50V
C2402	1-130-495-00	MYLAR	0.1µF	5%	50V
C2403	1-126-964-11	ELECT	10µF	20%	50V
C2404	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2405	1-126-965-91	ELECT	22µF	20%	50V
C2406	1-126-964-11	ELECT	10µF	20%	50V
C2407	1-126-964-11	ELECT	10µF	20%	50V
C2408	1-162-969-11	CERAMIC CHIP	0.0068µF	10%	25V
C2410	1-126-969-11	ELECT	220µF	20%	50V
C2411	1-126-965-91	ELECT	22µF	20%	50V
C2412	1-137-194-81	FILM	0.47µF	5%	50V
C2413	1-100-120-51	ELECT	1000µF	20%	35V
C2414	1-126-963-11	ELECT	4.7µF	20%	50V
C2415	1-126-967-11	ELECT	47µF	20%	50V
C2416	1-164-172-11	CERAMIC CHIP	0.0056µF	10%	25V
C2417	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2418	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2419	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2420	1-126-959-11	ELECT	0.47µF	20%	50V
C2421	1-126-959-11	ELECT	0.47µF	20%	50V
C2422	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2423	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2424	1-162-969-11	CERAMIC CHIP	0.0068µF	10%	25V
C2425	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2426	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2427	1-126-947-11	ELECT	47µF	20%	35V
C2428	1-126-943-11	ELECT	2200µF	20%	25V
C2429	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2430	1-126-960-11	ELECT	1µF	20%	50V
C2431	1-126-963-11	ELECT	4.7µF	20%	50V
C2432	1-126-963-11	ELECT	4.7µF	20%	50V
C2433	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2434	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2435	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2436	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2437	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2438	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C2439	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C2440	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2441	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C2442	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2443	1-115-412-11	CERAMIC CHIP	680pF	5%	25V

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2444	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2445	1-126-965-91	ELECT	22µF	20%	50V
C2446	1-130-495-00	MYLAR	0.1µF	5%	50V
C2447	1-130-495-00	MYLAR	0.1µF	5%	50V
C2448	1-137-190-91	FILM	0.22µF	5%	50V
C2449	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C2450	1-126-963-11	ELECT	4.7µF	20%	50V
C2451	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C2452	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C2453	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2454	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2455	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2456	1-126-963-11	ELECT	4.7µF	20%	50V
C2457	1-126-963-11	ELECT	4.7µF	20%	50V
C2458	1-126-963-11	ELECT	4.7µF	20%	50V
C2459	1-126-965-91	ELECT	22µF	20%	50V
C2460	1-137-194-81	FILM	0.47µF	5%	50V
C2461	1-126-963-11	ELECT	4.7µF	20%	50V
C2462	1-126-963-11	ELECT	4.7µF	20%	50V
C2463	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2464	1-126-960-11	ELECT	1µF	20%	50V
C2465	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2466	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2467	1-164-677-11	CERAMIC CHIP	0.033µF	10%	16V
C2468	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V
C2469	1-130-495-00	MYLAR	0.1µF	5%	50V
C2470	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2471	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2472	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2473	1-126-964-11	ELECT	10µF	20%	50V
C2474	1-126-964-11	ELECT	10µF	20%	50V
C2475	1-126-968-11	ELECT	100µF	20%	50V
C2476	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2477	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2478	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2479	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2480	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2481	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2482	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2484	1-130-495-00	MYLAR	0.1µF	5%	50V
C2485	1-130-495-00	MYLAR	0.1µF	5%	50V
C2486	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2487	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2488	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2489	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C2490	1-104-665-11	ELECT	100µF	20%	25V
C2493	1-126-935-11	ELECT	470µF	20%	16V
C2494	1-126-935-11	ELECT	470µF	20%	16V
C2495	1-126-935-11	ELECT	470µF	20%	16V
C2496	1-126-935-11	ELECT	470µF	20%	16V
C2499	1-164-315-11	CERAMIC CHIP	470pF	5%	50V

CONNECTOR

*	CN1306	1-564-515-11	PLUG, CONNECTOR	12P
*	CN2401	1-564-511-11	PLUG, CONNECTOR	8P
*	CN2402	1-564-508-11	PLUG, CONNECTOR	5P

DIODE

D2400	8-719-404-50	DIODE	MA111-TX
D2401	8-719-070-60	DIODE	PDZ7.5B-115

FERRITE BEAD

FB1301	1-412-911-11	FERRITE	0µH

FILTER

FL1301	1-239-847-11	FILTER, LOW PASS	
FL1302	1-239-847-11	FILTER, LOW PASS	
FL1303	1-239-847-11	FILTER, LOW PASS	

IC

IC1302	6-701-597-01	IC	TC90A69NG
IC1506	8-759-533-85	IC	L88M05T-FA-TL
IC2401	6-705-054-01	IC	TDA8947J/N3
IC2402	8-759-100-96	IC	UPC4558G2
IC2403	6-706-034-01	IC	NJW1164M-TE2
IC2404	8-759-165-01	IC	NJM2177AFG1
IC2405	8-759-686-15	IC	NJM2180M (TE2)

CHIP CONDUCTOR

JR1301	1-216-864-11	SHORT CHIP
JR1302	1-216-864-11	SHORT CHIP
JR1304	1-216-864-11	SHORT CHIP
JR1305	1-216-864-11	SHORT CHIP

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
JR1306	1-216-864-11	SHORT CHIP			
JR2401	1-216-864-11	SHORT CHIP			
JR2402	1-216-864-11	SHORT CHIP			
JR2410	1-216-864-11	SHORT CHIP			
JR2411	1-216-864-11	SHORT CHIP			
JR2420	1-216-864-11	SHORT CHIP			
JR2421	1-216-864-11	SHORT CHIP			
	COIL				
L1305	1-410-470-11	INDUCTOR	10µH		
L1306	1-410-470-11	INDUCTOR	10µH		
L1307	1-410-470-11	INDUCTOR	10µH		
L1310	1-410-470-11	INDUCTOR	10µH		
	IC LINK				
PS2401	1-576-337-21	IC LINK	2.7A	50V	
	TRANSISTOR				
Q1301	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1302	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1303	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1304	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1305	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1306	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1307	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1308	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q1313	8-729-600-22	TRANSISTOR	2SA1235-F		
Q1321	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2400	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2401	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2410	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2411	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2412	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2413	8-729-600-22	TRANSISTOR	2SA1235-F		
Q2414	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2418	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q2419	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
	RESISTOR				
R1057	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1058	1-216-845-11	METAL CHIP	100K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1301	1-216-864-11	SHORT CHIP			
R1304	1-216-864-11	SHORT CHIP			
R1310	1-216-864-11	SHORT CHIP			
R1311	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1314	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1317	1-216-818-11	METAL CHIP	560	5%	1/10W
R1318	1-216-864-11	SHORT CHIP			
R1319	1-216-809-11	METAL CHIP	100	5%	1/10W
R1320	1-216-809-11	METAL CHIP	100	5%	1/10W
R1321	1-216-809-11	METAL CHIP	100	5%	1/10W
R1322	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1323	1-216-818-11	METAL CHIP	560	5%	1/10W
R1324	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1325	1-216-809-11	METAL CHIP	100	5%	1/10W
R1326	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1327	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1330	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1331	1-216-809-11	METAL CHIP	100	5%	1/10W
R1332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1333	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1334	1-216-809-11	METAL CHIP	100	5%	1/10W
R1335	1-216-809-11	METAL CHIP	100	5%	1/10W
R1336	1-216-816-11	METAL CHIP	390	5%	1/10W
R1337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1353	1-216-842-11	METAL CHIP	56K	5%	1/10W
R1354	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1356	1-216-809-11	METAL CHIP	100	5%	1/10W
R1357	1-216-818-11	METAL CHIP	560	5%	1/10W
R1358	1-216-815-11	METAL CHIP	330	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1361	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1363	1-216-809-11	METAL CHIP	100	5%	1/10W
R1365	1-216-818-11	METAL CHIP	560	5%	1/10W
R1367	1-216-809-11	METAL CHIP	100	5%	1/10W
R1399	1-216-815-11	METAL CHIP	330	5%	1/10W
R2401	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2403	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2404	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2405	1-218-895-11	METAL CHIP	100K	0.50%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2406	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W	R2452	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2407	1-216-835-11	METAL CHIP	15K	5%	1/10W	R2453	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2408	1-218-868-11	METAL CHIP	7.5K	0.50%	1/10W	R2454	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2409	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2455	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-835-11	METAL CHIP	15K	5%	1/10W	R2456	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2457	1-216-864-11	SHORT CHIP			
R2412	1-218-868-11	METAL CHIP	7.5K	0.50%	1/10W	R2458	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R2413	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2459	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2414	1-216-835-11	METAL CHIP	15K	5%	1/10W	R2460	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2415	1-220-397-11	METAL CHIP	4.7M	5%	1/10W	R2461	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2416	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2462	1-218-296-11	METAL CHIP	75K	5%	1/10W
R2417	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2463	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2418	1-216-809-11	METAL CHIP	100	5%	1/10W	R2464	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2419	1-216-809-11	METAL CHIP	100	5%	1/10W	R2465	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R2420	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2466	1-218-866-11	METAL CHIP	6.2K	0.50%	1/10W
R2421	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2467	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2422	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2468	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2423	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2469	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2424	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2470	1-216-840-11	METAL CHIP	39K	5%	1/10W
R2425	1-216-840-11	METAL CHIP	39K	5%	1/10W	R2471	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R2426	1-216-817-11	METAL CHIP	470	5%	1/10W	R2472	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2427	1-216-817-11	METAL CHIP	470	5%	1/10W	R2473	1-216-861-11	METAL CHIP	2.2M	5%	1/10W
R2428	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2474	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2475	1-218-296-11	METAL CHIP	75K	5%	1/10W
R2430	1-216-809-11	METAL CHIP	100	5%	1/10W	R2476	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2431	1-216-809-11	METAL CHIP	100	5%	1/10W	R2477	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2432	1-216-864-11	SHORT CHIP				R2478	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2433	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2479	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2434	1-218-895-11	METAL CHIP	100K	0.50%	1/10W	R2480	1-218-331-11	METAL CHIP	51K	5%	1/10W
R2435	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2481	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2436	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2437	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2483	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2438	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2484	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2439	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2485	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2440	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2441	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2487	1-218-717-11	METAL CHIP	11K	0.50%	1/10W
R2442	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2488	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2443	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2489	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2446	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2490	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2447	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2491	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2448	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2492	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2449	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2493	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2450	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2494	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2451	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2495	1-218-292-11	METAL CHIP	20K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2496	1-216-847-11	METAL CHIP	150K	5%	1/10W
R2497	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R2498	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2499	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2500	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2501	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2502	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2503	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2504	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2507	1-216-809-11	METAL CHIP	100	5%	1/10W
R2519	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2520	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R2521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2522	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2524	1-216-864-11	SHORT CHIP			

ACESSÓRIOS E EMBALAGEM

*	4-066-845-11	SACO MANTA (KV-29FS110)
*	4-071-680-01	SACO MANTA (KV-21FA310/21FV210)
*	4-071-681-01	SACO MANTA (KV-29FA310/29FV210)
*	2-586-778-01	CAIXA DE EMBALAGEM (KV-29FS110)
*	2-588-759-01	CAIXA DE EMBALAGEM (KV-29FA310)
*	2-589-609-01	CAIXA DE EMBALAGEM (KV-21FA210)
*	2-589-612-01	CAIXA DE EMBALAGEM (KV-21FV310)
*	2-589-888-01	CAIXA DE EMBALAGEM (KV-29FV210)
*	2-588-761-01	CALÇO INFERIOR (KV-29FA310/29FV210)
*	2-589-608-01	CALÇO INFERIOR (KV-21FA310/21FV210)
*	4-089-390-01	CALÇI INFERIOR (KV-29FS110)
*	2-588-760-01	CALÇO SUPERIOR (KV-29FA310)
*	2-589-607-01	CALÇO SUPERIOR (KV-29FA310)
*	2-589-610-01	CALÇO SUPERIOR (KV-21FV210)
*	2-589-886-01	CALÇO SUPERIOR (KV-29FV210)
*	4-089-389-01	CALÇO SUPERIOR (KV-29FS110)
*	4-093-035-01	CALÇO SUPERIOR (TRASEIRO) (KV-29FS110)
	2-586-779-51	MANUAL DE INSTRUÇÕES (KV-29FS110)
	2-588-762-51	MANUAL DE INSTRUÇÕES (KV-21FA310/29FA310)
	2-589-889-51	MANUAL DE INSTRUÇÕES (KV-29FV210)
	2-590-325-51	MANUAL DE INSTRUÇÕES (KV-21FV210)

DIVERSOS

4-090-578-01	CALÇO SUPORTE DO CRT (KV-29FS110)
4-080-326-01	SEPARADOR DO LED (KV-29FS110)

CONTROLE REMOTO

1-468-835-11	CONTROLE REMOTO (RM-Y194)
4-H00-923-01	TAMPA PILHA (PARA RM-Y194) (KV-21FV210/21/FA310/29FS110)
1-478-707-21	CONTROLE REMOTO (RM-Y195)
4-978-977-11	TAMPA PILHA (PARA RM-Y195) (KV-29FA310/29FV210)

Sony Corporation
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